ISSUED EVERY WEDNESDAY

# DRUG & CHEMICAL MARKETS

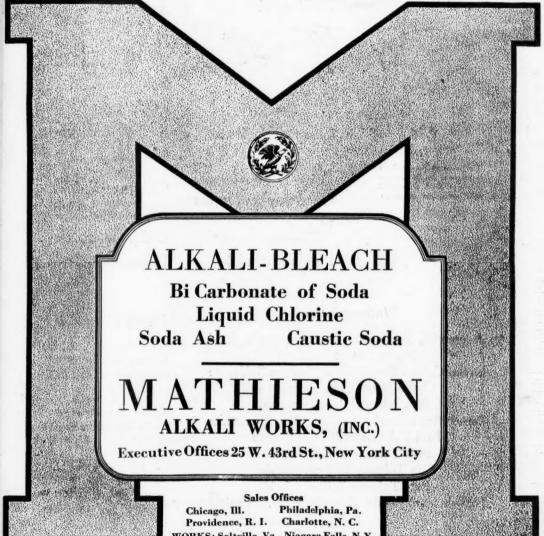
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A Weekly Business Paper for Those Who Make, Sell, or Buy Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME X,

NEW YORK, JUNE 14, 1922

NUMBER 24



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ISCUED EVERY WEDNESDAY

## **DRUG & CHEMICAL MARKETS**

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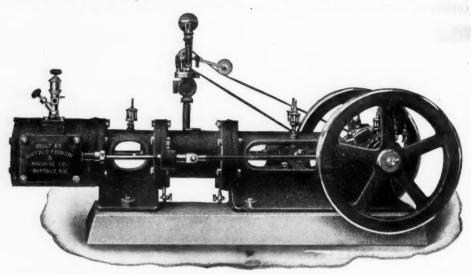
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## DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME X, NUMBER 24

[JUNE 14, 1922

#### LABOR'S IDEA OF JUSTICE

The Danbury hatters were held individually responsible for the destruction of property during a strike by members of the hatters union. In the coal miners case just decided by the United States Supreme Court the unions conducting the strike are held responsible. Members of the unions dynamited valuable property and committed murders in the name of Labor. Yet with the evidence direct, positive and indisputable the national union is not held responsible under the Sherman law, and its bonds deposited as security are released. The local union is absolved, also, on the ground that the union cannot be punished under the Federal statute although amenable under the common law. The unions really won their case, but the Court said:

"It would be unfortunate, if an organization with as great power as this international union has in the raising of large funds and in directing the conduct of 400,000 members in carrying on in a wide territory industrial controversies and strikes out of which so much unlawful injury to private rights is possible, should assemble its assets to be used therein free from liability for injuries by torts committed in course of such strikes."

In other words the Supreme Court hold that a union is a legal entity and can be sued for damages. Samuel Gompers in an outburst of indignation said: "The decision is a blow at the very foundation of the organized labor mevement in America." What he said about Chief Justice Taft and the United States Supreme Court is another story, and is "irrevelant, incompetent and immaterial," as the lawyers would say in objecting to Mr. Gompers' testimony concerning the "precedent for Capital to impose any condition on working people." Mr. Gompers feels like the worker who remarked: "If the courts keep on, union members won't have no more rights than American citizens."

The future of union labor in the United States cannot be encouraging if union leaders adopt the policy of shirking responsibility; if they believe the union workers can do as they like without regard to the laws; if they spurn the decisions of the Supreme Court of the land, established by the founders of the Republic as a shield and safeguard against errors by lower courts; if they expect to be able to commit the crimes, and escape punishment.

When unions want the protection of the law they willingly accept any court decisions in their favor. The laws of many states protect the union labels on union-made goods. Discrimination against the employment of union workers by contractors is pen-

out in

alized in some states. Unions are legally recognized in many states as entitled to representation on boards of arbitration by which labor matters are considered. The unions are exempt in many states from the enforcement of laws which apply to all other associations of citizens, and the Clayton Act was passed expressly to appease Labor and relieve it from the effect of the decision in the Danbury hatters' case making the individual union man responsible. These are the facts. Does it seem to American citizens that the Supreme Court decision in the Coronado coal case is unjust, or that Labor is being persecuted?

#### TELLING THE BUYER

"Before he can be sold, he must be told" is an old selling axiom, and it is of peculiar and practical interest to drug and chemical sellers to know what questions buyers of their products ask. Our Subscribers Information Bureau has answered more than a thousand inquiries each year for the past eight years and we have learned that the favorite questions of purchasers are:

Where can we buy it?

How is it packed and how much in the package?

What was the pre-war price?

Are there any special shipping regulations?

What are the different grades?

What is the tariff?

These are all simple questions, but there are some 4,200 different items reported in our markets, and there is no handbook—as we know from experience—that contains the correct answers ready for reference.

We propose to give the trades such a buyers' guide and next Fall will publish Drug & Chemical Markets Guide-Book. It will contain two parts-first a complete address and telephone book of all firms supplying chemicals, dyes, drugs, essential and fatty oils, and naval stores, arranged geographically; and second, an alphabetical list of these products with grades, packings, sales basis, shipping regulations, comparative prices, and firms selling them.

We consider this Guide-Book primarily as a long needed part of our service to buyers and sellers of the products covered by Drug & Chemical Markets. Based on our intimate knowledge of buyers' needs we have designed it with that object, and shall spare no pains nor expense to give buyers a real Guide-Book, complete and accurate. To best serve the sellers we shall distribute it to the very

cream of the world's buying power of chemical, drug and allied products, putting it into the hands of the real buyers for the rated firms in the consuming industries.

The plan and scope of our Guide-Book has been laid before leading companies and has met a quick,

hearty recognition.

The salesmanager of one chemical house has nicknamed it "the Buyers' Bible," and one of the recognized leaders of the essential oil field says "It will surely fill a long-felt want."

One of the largest chemical manufacturers, in placing an advertising order for twelve half pages writes: "We are going into the Guide-Book because we have found that whatever you do is better done than ever before and we are confident you will give the industry its long-needed Buyers' Guide."

Such a reputation is at once a keen satisfaction and a splendid inspiration.

#### NEW PHASE OF THE COTTON MILL STRIKE

While the cotton mill operatives of New England are declaring a bitter war against their former employers because of a reduction in wages which the employees refused to accept, the International Cotton Co., owners of the Stark Mill at Manchester, N. H., is moving its plant equipment to the South where cotton goods can be manufactured much cheaper than in New England. The company owned valuable water power rights, and the buildings were of a kind available for expansions planned by the Amoskeag company, which made it possible for the International Cotton Co. to find a market for the plant at a good figure.

If the workers in New England mills realized the gravity of the situation they would co-operate with mill owners in devising ways of perpetuating the industry in the towns where they have homes and where many of them have lived all their lives. Unless they do so, the operatives will find it neces. sarv before many years to seek new lines of employment to which they are unaccustomed, or they must move to the South and compete with Southern

labor.

Add "tins for sellers". . . since Aaron Kisofsky, retail furrier, has hit upon the brilliant plan of converghting and natenting "Hudson Seal." and is encoccefully defending his rights in Court, why shouldn't some enterprising chemical house do the same sam "Plue Vitriol" or "Dinning seid" or "Clamban's Salts." or any of the other few hundred good trade names that are applied to definite chemical substances?

The Italian amhassador's comments on the tariff situation would be more interesting to our readers, if he would tell us why the Italian export duties on and tartar products have been so markedly advanced.

Honey D. Saver, Industrial Commissioner of New York State, reports that the chemicals, oils and paints group of industries showed a slight gain in employment since April. All branches including the drugs and chemicals, paints and colors, oil products, and photographic materials industries reported increased employment in

#### Editor's Correspondence

Golf, Balls, Apples and Orders

Editor, DRUG & CHEMICAL MARKETS:

Referring to your editorial comment on a correspondent's approval of your "golf ball' cartoon, would

A salesman of electrical supply goods knew a purchasing agent to whom he had never been able to make a sale, and whom, on several occasions, he had not been able even to see. One day he learned that to this man the subject of apples was one of great interest. Next time he came to New York as soon as he left the Grand Central he went to the nearest fruiterer's and bought the two largest and finest apples the man had in stock. He also obtained from the seller all the information he could about their special qualities, habitat, etc. On visiting his prospect's office he was admitted, and at the earliest moment he laid the apples before him. The man's eyes dilated with surprise and admiration, and he listened attentively to all that the electrical goods man had to say about them. Not only did the latter receive the particular electrical material order he sought that day, but he never after had the least difficulty in obtaining an interview.

CONSTANT READER.

New York, June 8, 1922.

#### BILL TO REDUCE RATES ON PERIODICALS (Special to DRUG & CHEMICAL MARKETS)

Washington, June 14.-Reduction of second-class postage rates, which were originally imposed as war taxes, is provided for in a bill introduced in the House by Representative M. Clyde Kelly, Republican, of Pennsylvania. The bill is intended to give relief to the newspapers and magazines which have made representations to Congress that the continuation of high postal rates seriously affected the entire publishing industry.

Tht Kelly Bill would repeal the last two of the four increases in postal rates which were made under the war revenue law of 1917. Representative Kelly pointed out in an interview that newspaper and magazine publishers of the country are in need of relief from this discriminatory war tax in order that the press may continue to serve the public. He stated that the proposed measure retains the present zone system or postal charges but reduces the amount of charge from the fourth advance effective July 1, 1921, to the second advance in which became effective According to Mr. Kelly, the rates asked July 1, 1919. for would still give the Government 175 per cent more than the pre-war rates and would not relieve the publishing industry of one cent of the other Federal taxes paid by it in common with other industries.

"The newspapers and other periodicals," continued Mr. Kelly, "are the very fountain source of first class and fourth class mail. They also perform an invaluable service in freely carrying messages of the post-office and other departments of the government direct to the They are really selling agents for the Government but they get no commissions on their sales. is a common-sense policy to give them advantageous

rates in the mail."

The bill has been referred to House Post Office Committee and hearings will be held at an early date.

The American Statistical Association will hold a special meeting on Friday, June 16, at 6 o'clock, at the Machinery Club, 50 Church st., New York, and discuss "Problems of Business Research."

## Expansion By Drug Manufacturers Ass'n

Association To Be Reorganized into Six Sections To Cover Broader Field-Only Manufacturers Eligible -W. A. Sailer Re-elected President-A. Homer Smith of Philadelphia Elected Secretary To Succeed W. J. Woodruff Who Resigned-Horace Bigelow To Be General Counsel-C. M. Woodruff Made Counsel Emeritus-Resolutions Adopted

O EXPAND the association so that it will include all branches of drug and medicinal manufacturing in the United States, is the new plan of the American Drug Manufacturers Association which held its eleventh annual meeting last week at the Hotel

Biltmore, The reorganization of the association calls for the establishing of six sections to take the place of the scientific and biologic sections as it is now divided. The new divisions will include (1) manufacturers pharmaceutical parations, surgical dressings and plasters, (2) medicinal chemical manufacturers. (3) manufacturers of biologic products, (4) crude drug millers who actually operate mills for production of milled drugs for sale to others, (5) es-



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W. A. SAILER

sential oil distillers who distil oils for sale to others, (6) manufacturing physicians supply houses. In no instance is any house eligible for membership unless actual manufacturers of some form of medicinal products. An increase in the annual dues was necessitated by the change.

In keeping with the modern movement in trade associations to take in suppliers of raw materials as well as the manufacturers of the finished goods, so that the former may put their problems before the associations for solution, the American Drug Manufacturers Association has decided upon a policy of expansion. That the crude drug millers, medicinal chemical manufacturers, and essential oil producers, who are at present supplying the needs of the pharmaceutical and surgical supply houses, may be benefitted, and likewise lend their aid in helping the consumer solve his problems, they will now be encouraged to join with the general group of "drug manufacturers" for the betterment of the whole industry. The Association indicates that the modern trend in business makes this type of cooperation vitally necessary to the future of the American drug industry.

W. A. Sailer Re-elected President

Although President W. A. Sailer desired to be relieved of the presidency during the coming year, the members of the Association prevailed upon him to continue in office until the next annual meeting so that the new plans for expansion could be facilitated.. The officers elected for the ensuing term were as follows: President, W. A. Sailer, Sharp & Dohme. Baltimore; vice-presidents, Chas. G. Merrell, the William S. Merrell Co., Cincinnati; S. R. Light, Upjohn Co., Kalamazoo, Mich.; Oscar W. Smith, Parke, Davis & Co., Detroit; treasurer, Franklin Black. Chas. Pfizer & Co., New York. The Executive Committee for the coming year consists of S. B. Penick, S.

B. Penick & Co., New York; H. H. Whyte, H. K. Mulford Co., Philadelphia; and Alfred Burdick, Abbott Laboratories, Chicago,

Horace Bigelow, chairman of the Legislative Committee of the Association, and legal counsel for Parke, Davis & Co., accepted the appointment as general counsel for the Drug Manufacturers. Chas. M. Woodruff who has acted in this capacity for a number of years past, has been compelled to restrict his activities in behalf of the Association owing to ill-health. He is at present in Southern California. That his effective efforts of past years might be recognized, the office of Counsel Emeritus was created and Mr. Woodruff elected thereto.

A. Homer Smith, New Secretary

The unfortunate illness and unexpected resignation of W. J. Woodruff, secretary of the American Drug Manufacturers' Association for the past several years, made the election of a new secretary necessary. A. Homer Smith, well-known in manufacturing pharmacy for the past fifteen years, was elected to direct the affairs of the Association from Washington. Mr. Smith was formerly connected with H. K. Mulford Co., Philadelphia, as secretary and general sales manager, having spent fifteen years in the employ of this company. He is a graduate of the Philadelphia College of Pharmacy, having received the degree of Doctor of Pharmacy in 1902.

The closing sessions of the eleventh annual meeting were taken up primarily with reports from the various sections, the adoption of new resolutions, and the election of officers. On Thursday morning, the membership heard a talk by George A. O'Reilly, vice-president of the Irving National Bank, New York, on "The Business Outlook and How to Meet It." At the closing session, Thursday afternoon, "Drug Market Conditions" were discussed by Williams Haynes, publisher of DRUG & CHEMICAL MARKETS. The convention closed with the annual banquet at the Hotel

Biltmore on Thursday evening.

Resolutions Adopted Resolved, that the following recommendation of The Scientific Section of the American Drug Manufacturers' Association be adopted by the Association in Annual Convention assembled and transmitted by the secretary to the Revision Committee of the United States Pharmacopoeia. (1) That a limit of 1 per cent of free salicylic acid in a tablet of acetyl salicylic acid one year old be established. (2) The adoption of a physiological assay only for Aconite and its preparations. (3) That a standard for Ipecac and its fluidextract of 1.50 grams per 100 C.C. be established and the menstruum for Fluidextract specified by the United States Pharmacopoeia 8th Revision be adopted. (4) That Strophanthin from the official drug Strophanthus Kombe as the standard for Digitalis and its preparations be adopted. (5) That the physiological assay for Fluidextract Cannabis be dropped. (6) That the process for Fluidextract Ergot include defatting the drug. (7) That the report of the Scientific Section of this association with reference to essential oils adding a limit of ash for rose water and eliminating benzaldehyde be submitted to the Revision Committee of the United States Pharmacopoeia. (8) That the texts adopted by the Scientific Section of this association for the following drugs be submitted to the Revision Committee of the United States Pharmacopeia, i.e., Sparteine Sulfate, Cephaeline in Emetine, Procaine, Picro Toxin, Hyoscyamine Sulfate, and Morphine Meconate.

Whereas, the Commissioner of Internal Revenue, with the approval of the Secretary of the Treasury, has recently promulgated a Treasury decision No. 3335 providing for a complete change in the form of bonds filed covering the use of alcohol, which are clearly in the nature of a forfeiture bond; and whereas, the various bond companies engaged in the business of furnishing such bonds have indicated their intention of materially increasing the rates for such bonds, now, therefore, be it resolved that the Secretary and the Legislative Committee of this Association be, and they are hereby authorized and empowered to cooperate and act with the other branches of the drug trade to the end that the form of such bonds may be so changed as to avoid an increase in premium rates or such other steps as may from time to time be necessary to protect the interests of the members of this association in that respect.

Narcotic Legislation

Whereas, Congress has recently enacted a law known as Public Act No. 227 which materially restricts the importation and exportation of the narcotic drugs, so-called; and whereas, the said Act provides for the creation of a Federal Narcotics Control Board, and empowers such Board to make proper regulations to carry into effect the authority vested in it by the Act; and whereas, upon the Act becoming effective on May' 26, 1922, the Secretary of the Treasury issued instructions to the various collectors of customs forbidding the further importation and exportation of shipments of narcotic drugs until such time as the said Federal Narcotic Control Board could make and publish proper regulations to carry into effect the authority vested in it by said Act; and whereas, it is deemed necessary and proper that this Association shall, through its Secretary and Legislative Committee, take such steps as may seem advisable to protect the interests of the members of this Association in connection with the issuance of regulations to carry into effect the authority of the Federal Narcotics Control Board as vested in it by said Act; now, therefore, be it resolved, that the Secretary and the Legislative Committee of this Association be, and they hereby are, authorized, empowered and directed to take all proper and necessary steps to protect the interests of the members of this Association in connection with the issuance of regulations by the Federal Narcotics Control Board to carry into effect the authority vested in it by said Act.

Whereas, in order to prevent in the future, unscientific action in framing or altering tariff legislation to meet changing conditions, it is necessary to provide the requisite basis and information for proper and informed action by Congress; now, therefore, be it resolved by the American Drug Manufacturers' Association in annual convention assembled, First: That Congress be urged to prepare for such future contingencies by empowering some agency of the Federal Government to prepare schedules containing, so far as practical, specific duties, which duties shall be based on the difference between production and conversion costs here and abroad, such production and conversion costs to include all labor, invested capital, transportation charges and all other items making up the direct and overhead. charges involved in such production and conversion costs. Second: That the Tariff Committee of this Association be directed, subject to the approval of the Executive Committee of this Association, to take such action as may seem proper and necessary to accomplish the purposes of this Resolution.

Whereas, it was with sincere regret that this Association in Annual Convention assembled, learned of the untimely illness and unexpected resignation of W. J. Woodruff, who for several years past has served it faithfully in the capacity of Secretary, now, therefore, be it resolved that this Association desires to extend to Mr. W. J. Woodruff its sincere wish for a speedy and complete recovery from his untimely illness, and success in any new venture in which he engages.

#### MANUFACTURING PHARMACISTS MEET

(Special to DRUG & CHEMICAL MARKETS)

Bedford Springs, Pa., June 14.—The attendance at the summer meeting of the American Pharmaceutical Manufacturers Association, now in session here, exceeds 100

members. On Tuesday the association elected ten new members.

President Searle in his opening address emphasized the importance of co-operative work. Other speakers at the opening session were Wesley Dunn of New York, who dis-cussed "Recent Legislation," giving results which the association had achieved to protect its members; T. R. L. Loud, of the New York Ouinine and Chemical Works, on "Chemical Manufacturing"; Prof. Freeland, of the Massachusetts Institute of Tech-



C. H. SEARLE

nology, on "Marketing Problems"; N. W. Haynes, publisher of Drug & Chemical Markets, on "Open Prices"; and President Searle, who spoke on "Low Golf Qualifying Scores."

John C. Havemeyer, sugar refiner and son of William F. Havemeyer, who was three times Mayor of New York City, died at his home in Yonkers. He was ninety years of age. Mr. Havemeyer entered the sugar refining business in the offices of his grandfather, the founder of Havemeyer & Maller. Two years later, at the age of twenty-three, he left the firm and founded a sugar refinery which grew into the house of Havemeyer & Elder. Later he sold out his interests, then went into the commission business, and in 1871 began sugar refining again in Greenpoint with his brother and another partner, under the firm name of Havemeyer Bros. & Co., which later became J. C. Havemeyer & Co., from which he retired many years ago.

James S. Burroughs died on Friday, June 2, at Flushing, N. Y., in his eighty-fifth year. Mr. Burroughs was born at West Flushing (now Corona), Long Island, N. Y., on Feb. 4, 1838, and began his business career as a clerk in the firm of Schieffelin Bros. & Co., in 1855. In 1866 he became associated as partner with George W. Hubbard, who started a brokerage business in chemicals in 1865. Mr. Burroughs organized in 1891 the present firm of Jas. S. Burroughs & Co., successors to G. W. Hubbard & Co. The surviving partners will continue the business under the old firm name.

Henry Thomas Oxnard, vice president of the American Beet Sugar Co., died suddenly, June 8, at the University Club, following an attack of acute indigestion. He was sixty-two years old. Mr. Oxnard arrived in New York three days before, from his home in Upperville, Va.

The Carrier Chemical Co., Charleston, W. Va., recently organized, will make bromides, acetic anhydride, benzaldehyde and milk of magnesia. C. F. Carrier, Jr., a chemical engineer, is president and general manager.

Exports of rosin during April amounted to 141,710 barrels, valued at \$665,958. Exports of turpentine were 756,-497 gallons, valued at \$665,974. 922

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#### SENATE FIXES RATES ON METALS

(Special to Drug & CHEMICAL MARKETS)

Washington, D. C., June 14.—The Senate spent most of the week discussing the tariff on ferro-alloys, and surgical, dental and scientific instruments. In attacking the various proposals of duty on ferro alloys, Senator Underwood said that they represent inconsistency on the part of the Republicans because no tax is placed on coal and iron ore, the most important of the raw materials used by the iron and steel industry.

The rate on manganese metal, manganese silicon, manganese boron and ferro-manganese and spiegeleisen containing not more than 1 per cent of carbon was fixed at 17% c per pound of manganese content, and an ad valorem of 15 per cent. The House had provided a rate of 2 1-5c and 28 per cent which rate was reduced by the Finance Committee to a straight 20 per cent ad valorem.

Reductions also were made on the suggestion of the committee on ferro-molybdenum, metallic molybdenum, molybdenum powder, calcium molybdate and all other compounds and alloys of molybdenum, from \$1.25 per pound and 17 per cent ad valorem, as agreed upon by the House, and \$1 per pound and 15 per cent ad valorem, as originally recommended by the Committee, to 50c per pound on the molybdenum content.

The basket clause duty covered zirconium, ferrosilicon, ferro-boron, titanium, zirconium, tantalum chromium, nickel, vanadium, chromium silicon, zirconium silicon, calcium silicide and all alloys used in the manufacture of steel not especially provided for. The House rate of 30 per cent ad valorem had been retained by the Finance Committee without change, except that the former was based on the American valuation plan and the latter on the foreign valuation plan, but today the committee moved to reduce it to 25 per cent.

Cuts were also made in the duty on ferro-silicon, the Senate adopting rates of from 2c to 8c per pound, varying with the percentages of silicon. The lower grades were reduced somewhat.

By a vote of 34 to 25 the Senate adopted a new item in the bill proposing a rate of \$2 per pound on cerium metal, with an additional ad valorem of 25 per cent on ferro-cerium and all other cerium alloys.

The rates on surgical instruments were materially reduced. Senator McCumber presented a substitute provision which was adopted and reads as follows:

"Surgical instruments, and parts thereof, composed wholly or in part of iron, steel, copper, brass, nickel, aluminum, or other metals finished or unfinished, 45 per cent ad valorem; dental instruments, and parts thereof, composed wholly or in part of iron, steel, copper, brass, nickel, aluminum, or other metal, finished or unfinished, 35 per cent ad valorem."

Herman A. Metz, who is now in Germany, said in Berlin recently that German dye makers are in a precarious condition, that they are working at only half the normal capacity of their plants and are now shipping to America not more than 10 per cent of American consumption of vat dyes. He said that America and England are overproducing dyes and expressed a fear that many color producers in both countries would collarse.

Several leading associations of the chemical industry have arranged to meet at the Eighth National Exposition of Chemical Industries, Sept. 11-16, at the Grand Central Palace. The special meetings which have already been scheduled include a meeting of the American Ceramic Society, the Technical Association of the Pulp and Paper Industry, and the Salesmen's Association of the American Chemical Industry.

#### HEAVY DEMAND FOR MANY CHEMICALS BY DUTCH EAST INDIES INTERESTS

Sugar and Tobacco Planters Require Sulfate of Ammonia and Phosphates—Rubber Producers Use Large Quantities of Acetic Acid—Demand for Caustic Soda

The agriculture of the Netherlands East Indies requires large quantities of chemicals, both for fertilizer and for combatting plant diseases and pests, and the industries take considerable quantities. The sugar industry ranks first, principally as a market for sulfate of ammonia and phosphates. The tobacco planters of Java buy large quantities of phosphates, writes John A. Fowler, American Trade Commissioner.

Acetic acid is used in large quantities for coagulating the latex from the rubber trees. The supply taken by the Netherlands Indies came principally from German before the war, and when that source was cut off the trade went to Japan. At first there were serious complaints against the quality of the Japanese product, but later it was improved and for several years has been satisfactory in all respects. American factories have supplied some of the demand, but no permanent success has been made in securing a share of this trade.

The Suiker Proefstation van Oost Java, which has access to the figures of all three of the mills, states the sugar culture alone uses from 9.31390 to 1,000,000 piculs of ammonium sulfate a year (.5.000 to 62,000 tons). This would amount to about 4 piculs to the bouw, or 2½ piculs (1 picul=136 pounds) to the acre.

Packing is usually in bags of 112 to 200 pounds. The American product has been found to be satisfactory, and the only serious complaint has been of the difficulty of getting supplies. The planters buy from the importers on the basis of nitrogen content, 25 per cent NH<sub>3</sub> being the usual guaranty.

In 1921 the Netherlands East Indies imported 172,-451 kilos of aniline dyes, principally from Germany. American dyes are not regarded favorably and American manufacturers will have to use their utmost efforts in order to retain a place in this field. If they can win in this market, it may be taken as proof that they can win in any other of the world's markets, as the prestige of German dye manufactures is high, and the German manufacturers' acquaintance with the trade is thorough.

Basic slag, or Thomas phosphate, is used to a considerable extent in the tobacco fields of the Sumatra East Coast. Purchases are made direct by the estates through Medan importers and from importers in Singapore and Penang; also through the Netherlands offices of the tobacco companies. The basis of price is 17 per cent phosphoric acid, soluble in mineral acid, of which 80 per cent must be soluble in a 2 per cent citric-acid solution. By basic slag is understood the product obtained by the milling of the slag left after making steel from phosphorus-bearing iron, according to the Thomas-Gilchrist or similar processes, without any addition taking place during this milling.

Calcium carbide is used in large quantities in the Netherlands East Indies for signal and station lights, lighthouse, and port lights, and for lighting the tin mines, as well as for the ordinary purposes of the population.

Formaldehyde is used as an anticoagulant for rubber, and for disinfecting the machines, tanks, and other equipment coming into contact with latex and rubber. It is diluted to one-fortieth when used as an anticoagulant, and to stronger solutions when used as a disinfectant. The consumption is steady. England is

supplying the principal part of the imports, while some quantities are coming from the United States and Germany.

Before the war the trade with the Netherlands Indies in caustic soda was held by England and the Netherlands, but from 1917 on the United States has held the large bulk of the business, the imports from Japan, it is claimed, being reexports of American caustic soda. During 1920 the United States held first place, with 38 per cent of the total imports; England second, with 31 per cent; and Japan third, with 16 per cent. Two English concerns do the larger part of the British business. They trade-mark their product and give a guaranty of the quality.

#### FALSE ADVERTISING METHODS CHECKED

The annual report of the director of the National Vigilance Committee of the Associated Advertising Clubs of The World, 110 W. 40th street, New York,

"A signal service to the American public, who have long been hoodwinked by misleading information about dyes, and to business firms using dyes, was rendered by the Committee last August, when in a special bulletin it handled the question without gloves. The bulletin gave facts about the relative dependability of American dyes and foreign made dyes and endeavored to remove some false ideas and prejudices which had grown out of recent advertising of dyed materials. Information in the bulletin was given wide publicity in the press, and more than fifteen thousand copies of it were circulated among business men and organizations.

Following its action in this matter, the Committee suggested a conference of dyers and wholesalers of dyes, which led to the formation of the National Council of Dyes and Colors which is aiming to remove the causes for complaints against American and all other dyes. The Committee is participating in the work of this Council.

"S. E. J. Cox, long notorious for his flagrant advertising of stocks in worse than wild-cat oil ventures,—received the attention of the Committee when he attempted to unload a few million dollars worth of shares in the Cox Realization Co., an attempt to capitalize—by false advertising—on the reported discoveries of Potash in West Texas. The Committee's special bulletin, last October, neatly nipped Cox's ambitions in the bud and shortly thereafter he languished a while in the Tombs at New York, waiting to be taken back to Texas on a Federal warrant, to plead to a charge of fraudulent use of the mails, for which he is on trial as this report goes to press."

William H. Nichols, chairman of the directors of the General Chemical Co., received an honorary membership in the Phi Beta Kappa fraternity at a dinner held at the Waldorf-Astoria by Chancellor Elmer E. Brown and the Council of New York University. Among those attending the dinner were Judge Elbert H. Gary, Dr. Henry Lubeck, Dr. Edgar Tilton, Earl D. Babst, Judge John C. Clark, Joseph H. Broderick, Frederick I. Kent, Louis Wiley, Arthur W. Howe, Clark Williams, Robert Underwood Johnson, Bishop William T. Manning, Paul Bartlett, George A. Plimpton and Judge Charles F. McLean.

The Chicago Perfumery Soap and Extract Association has provided a chicken dinner and baseball game for members who attend the fifth annual stag meeting on June 15, at Lyons, Ill. Members of the Entertainment Committee are Frank Z. Woods, W. H. Muttera and J. De Lorme.

#### LICENSES FOR FOREIGN DYES SHOW INCREASE IN DEMAND DURING APRIL

More than 158,000 Pounds From Germany, Against 134,000 Pounds in March—British Dyes Amount to 10,000 Pounds, Against 3,000 In March—Swiss Colors 248,000 Compared With 114,000.

#### (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., June 14.—The report of the kind and quality of dyestuffs for the importation of which licenses were granted by the Dye and Chemical Control Section, Division of Customs, during April, shows: Total imports from Germany 158,302 pounds, compared with 134,784 pounds during March; 10,195 pounds from England in April, against 3,625 in March; 248,115 pounds from Switzerland in April, against 114,556 in March. From France only five pounds of Acid Yellow C. E.

The permits for shipments from England were for the following dyes: Alizarine Madder Lake, 4,500 pounds; Alizarine Red S. powder (Schultz No. 780), 500 pounds; Alizarine Red Y. C. A. 20 per cent paste (Schultz No. 785), 2,700 pounds; Cross Dye Green 2 G. Conc., 100 pounds; Thionol Brown R., 2,000 pounds; Thionol Black 6 R, 100 pounds; Permanent Crimson, 13½ pounds; Rose Madder, 1½ pounds; Rose Pink, 280 pounds.

The list of amounts wanted from Germany and Switzerland follow:

| No.        | Designation of Dye  | Germany  | Switzerland |
|------------|---|----------|-------------|
| 358        | Aceto Purpurine 8 B                                       | 230      |             |
|            | Acid Alizarine Grey G                                     | 200      |             |
| 88-A       | Acid Anthracene Brown RH Extra                            | 500      |             |
| 504        | Acid Green B Conc   | 9        |             |
|            | Acid Rhodamine B G  | 200      |             |
|            | Acid Rhodamine R  |          | 880         |
| ***        | Acid Rhodamine 3 R  |          | 1,100       |
| 534        | Acid Violet 7 B   | 206      |             |
| 844        | Algol Blue 3 G Powder                                     | 50       |             |
| 822        | Algol Blue K Powder                                       | 25       |             |
| 820        | Algol Brilliant Orange FR pdr<br>Algol Brilliant Violet R | 50       |             |
| 820        | Algol Brown G Powder                                      |          | 550         |
| 960 A      |   | 600      | 550         |
| 003-73     | Algol Brown R Paste                                       |          |             |
| 870        | Algol Corinth R Powder                                    | 25<br>50 |             |
| 834        | Algol Grey B or 2 B Pdr                                   | 15       |             |
| 847        | Algol Green B Powder                                      | 25       |             |
| 833        | Algol Olive R Powder                                      | 25       |             |
| 824        | Algol Orange R Powder                                     |          |             |
| 825        | Algol Red B   |          |             |
| 816        | Algol Red 5 G Pdr   | 50       |             |
| 819        | Algol Red R   | 50       | 2,200       |
| 819        | Algol Red R Extra Paste                                   | 450      | 2,200       |
| 811        | Algol Yellow 3 G Paste                                    | 4,500    |             |
| 856        | Alizarine Astrol B Pdr                                    | 103      |             |
| 774-B      | Alizarine Astrol B Pdr                                    | 50       |             |
| 851        | Alizarine Blue 6 B  | 100      |             |
| 804        | Alizarine Blue S  | 2,500    |             |
|            | Alizarine Blue S Powder                                   | 4,100    |             |
| 858        | Alizarine Blue S A E                                      | 75       |             |
| 855        | Alizarine Blue S K Y                                      | 575      |             |
| 862        | Alizarine Blue Black B                                    | 100      |             |
| 862        | Alizarine Blue Black 3 B                                  | 700      |             |
| 862        | Alizarine Blue Black B T                                  | 500      |             |
| 865        | Alizarine Cyanine Green G Extra                           | 600      |             |
|            | Alizarine Cyanole S B                                     |          |             |
|            | Alizarine Cyanole S R                                     | . 50     |             |
|            | Alizarine Direct Violet R C                               | 100      |             |
|            | Alizarine Fast Grey 2 B L                                 | . 50     |             |
| 808        | Alizarine Green S   | 4,500    |             |
| 893        | Alizarine Indigo G Paste                                  | 1,000    |             |
| 894        | Alizarine Indigo 3 R                                      |          |             |
| 050        | Alizarine Indigo 3 R 20% Paste                            | 400      |             |
| 852        | Alizarine Irisol R Powder                                 | . 50     |             |
| 700        | Alizarine Light Blue S E                                  | 1 500    | 2,000       |
| 780        | Alizarine Red I W S Powder                                | 1,500    |             |
| 780        | Alizarine Red S Powder                                    | 1,100    |             |
| 785        | Alizarine Red SDG   |          |             |
| 780        | Alizarine Red W Powder                                    |          |             |
|            | Alizarine Rubinole 3 G                                    | . 115    |             |
| 856        | Alizarine Rubinole G W                                    | . 859    |             |
| 856-A      |   |          |             |
| 858        | Alizarine Saphirole B                                     | . 2,300  |             |
| 858<br>858 | Alizarine Saphirole S E                                   | . 1,125  |             |
|            |   |          |             |

(Continued on page 1353)

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#### QUOTATIONS ON CHEMICAL STOCKS

|                             | Asked   | Bid  | Aske<br>63 |
|-----------------------------|---------|--|------------|
| Air Reduction 52            | .57     | H'k Electro 55                               | 70         |
| Allied Chem. & D 66         | 67      | H'k Electro, pf 60                           |            |
| *Allied Ch. & D., pf.1061/2 | 107     | *Int. Agricult 101/2                         | 111/       |
| *Am. Ag. Ch 37              | 38      | *Int. Agricult., pf. 39                      | 41         |
| *Am. Ag. Ch. pf 66          | 68      | *Int. Nickel 17                              | 18         |
| Am. Chicle 10               | 11      | *Int. Nickel, pf 48                          | 81         |
| Am. Chicle, pf 35           | 40      | *Int. Salt 60                                | 62         |
| *Am. Cot. Oil 251/2         | 25      | *Mathieson Alk 34                            | 37         |
| *Am. Cot. Oil, pf 59        | 61      | Merck & Co., pf 73                           | 77         |
| Am. Cyan 15                 | 20      | Merrimae                                     | 50         |
| *Am. Cyan., pf 35           | 45      | Mulford Co 45                                |            |
| *Am. Druggists S 51/2       | 6       | Mutual Co150                                 | 02         |
| Am. Glue 40                 | 45      | *National Lead 92½                           | .93        |
| Am. Glue, pf 65             | 70      | *National Lead, pf.109                       | 144        |
| *Am. Linseed 33             | 331/2   | N. J. Zinc143<br>Niag. A., pf96              | 100        |
| *Am. Linseed, pf.:. 53      | 56      |  | 90         |
| *Am. Malt 12                | 13      | Parke, Davis & Co. 88<br>Penn. Salt 721/4    | 73         |
| *Am. Zing 16                | 18      | People's Gas. Chi., 51½                      | 52         |
| *Amer. Zinc, pf 47          | 48      |  | 128        |
| Atlas Powder137             | 140     | Procter & Gamble124<br>Procter & Gam., pf102 | 106        |
| Atlas Powd., pf 791/2       | 811/2   | Rollin Ch 50                                 | 60         |
| British Am. Chem., 1        | **      | Rol. Ch., pf 80                              | 90         |
| By. Prod. Co 57             | 65      | Royal Bak. Po106                             | 109        |
| Carborundum135              | 1351/2  | Royal Bak. Po., pf. 94                       | 95         |
| Carborundum, pf1151/2       | 116     | Sherwin-Williams 251/2                       | 26         |
| Casein Co 30                | 45      | Sherwin-W., pf 93                            | 97         |
| Celluloid Co 90             | 92      | Stand. Ch 90                                 | 100        |
| Celluloid Co., pf111        | 112     | Swan & Finch 32                              | 35         |
| Ches. Mfg195                | 200     | *Tenn. C. & Chem 12                          | 121/       |
| Ches Mfg., pf112            | 114     | Tex. Gulf. Sul 49                            | 50         |
| *Corn Products100           | 101     | Union Carbide 571/2                          | 58         |
| *Corn Products, pf116       | 113     | Union Sulphur                                |            |
| *Davison Chem 46            | 50      | *Un. Drug 74                                 | 75         |
| Dow Chem                    | 200     | *Un. Drug, 1st pf 45                         | 451/       |
| Dow Ch., pf                 | 103     | *Un. Dyewood 31                              | 38         |
| *Du Pont de Nem127          | 128     | *Un. Dyewood, pf 94                          | 96         |
| *Du P't de Nem. Db. 81      | 82      | Un. Gas, Imp 38                              | 39         |
| *Freeport, Tex. Sul. 22     | 221/2   | Un. Gas, Imp., pf 50                         | 51         |
| Freept. Tex. Sul. pf. 91    | 93      | U. S. Gypsum,                                |            |
| Grasselli                   | 130     | *U. S. Indus. Al 50                          | 51         |
| Grasselli, pf100            | 10152   | *U. S. Indus. Al., pf. 93                    | 94         |
| Hercules Powder154          | 158     | *VaCar. Ch 30                                | 31         |
| Hercules Powd, pf.100       | 102     | *VaCar. Ch., pf 68                           | 69         |
| Heyden Chem 1               | 11/2    | *V. Vivaudou 11                              | 12         |
| #T ! 3 37 37 -1 6           | 7. 1 Y7 |  |            |

\*Listed on New York Stock Exchange

#### SUDDEN SLUMP IN STOCKS

The rush to sell stocks on change, Monday, June 12, resulted in such a flood of stop-loss orders that the ticker at one time was 22 minutes behind in recording the transactions. The pools which had been controling and advancing United States Steel and other stocks ceased to support the issues in which they had been interested and all issues which had been going up rapidly during the lost thirty days slumped immediately.

Among the stocks most affected were Coca Cola, Davison Chemical, U. S. Industrial Alcohol, American Sumatra Tobacco, American International, Barnsdall A. California Petroleum, Crucible Steel, Gulf States Steel, Houston Oil, International Mercantile Marine preferred, Mexican Petroleum, National Enameling and Stamping, Pacific Oil, Phillips Petroleum, Producers and Refiners, Sinclair Oil, Vanadium and Continental Can.

The National Licorice Co. has declared the usual semi-annual dividend of 21/2% on the common stock, payable July 11, and the regular quarterly dividend of 11/2% on the preferred, payable June 30, both to holders of record June 23.

The Celluloid Co. has declared a quarterly dividend of 11/2% per cent. on the common stock, payable June 30, to stock of record June 16. The previous dividend rate was 2 per cent, quarterly,

The United Dyewood Corp. has declared a quarterly dividend of \$1.75 on the preferred stock and \$1.50 on the common stock, payable July 1 to stockholders of record June 15.

The Hercules Powder Co. has declared the usual quarterly dividend of 3% on the common stock, payable June 24 to holders of record June 15.

Schieffelin & Co. have obtained judgment for \$348.42 against W. J. Foley, Inc.

#### INTERNATIONAL NICKEL HAS DEFICIT

The International Nickel Co. in its report for the year ended March 31, last, shows total income of \$607,353, against \$5,166,581 in the previous year and a deficit after preferred dividends of \$1,332,502, contrasted with a surplus of \$1,494,944 in the year ended March 31, 1921. The report states that the number of shareholders increased during the fiscal year from 16,206 to 17,714, and adds:

"The company's business during the first three months of 1922 indicates general improvement in the nickel industry. Monthly sales increased and inquiries for various products became more numerous. Foreign business is slowly becoming stabilized and further improvement is quite evident. Stocks of finished metals have been liquidated to such an extent that the Port Colborne refinery was started on May 1, 1922, and the mine and smelter at Copper Cliff will be started not later than Sept. 1, 1922.

Directors of the Callahan Zinc-Lead Co. have voted to increase the capitalization from 500,000 to 1,000,000 shares. Stockholders are to be given the right to subscribe to part of the new issue in an amount and at a price to be announced after the increase has been authorized at a special stockholders' meeting to be held on July 24. "The proceeds of the new financing," says President John Borg in his announcement, "are to be used for the acquisition, development and equipment of new properties. The present condition of the treasury is excellent."

The Copper Export Association has sold approximately 225,000,000 pounds of copper, leaving about 175,000,000 pounds of the original 400,000,000 pounds used as collateral for its \$40,000,000 bond issue. As this copper has been sold at 2 to 4 cents above the 10-cent valuation upon which the bonds are based, the association will retire on Aug. 1 the rest of the issue maturing Feb. 1, 1923. As \$7,000,000 of this issue was retired February 1 last, the amount to be retired August 1 will be \$3,000,000.

Interests identified with the Columbian Carbon Co. and Atlas Powder Co., have formed a new corporation under the laws of Delaware, to be known as the International Carbon Corp., with \$2,500,000 8 per cent. preferred stock and 300,000 shares of no par value common stock. Among the Directors are W. J. Webster, Reid L. Carr, C. Harold Smith, H. F. Haansell, Jr., and Ed. Bristol. The company will manufacture a substitute for animal charcoal, used by refining industries. The Pope Metals Co., Inc., 90 West st., filed sched-

ules in bankruptcy June 8, listing liabilities of \$379,945 and assets of \$160,925, main items of which are accounts, \$129,541; stocks and bonds, \$11,242; real estate, \$8,924. Principal creditors listed are Pope Trading Corp., \$147,060; Coal and Iron National Bank, \$57,753, secured; American Metal Co., Ltd., \$30,082, secured.

#### New Incorporations

Utah Potash Co., Wilmington, Del., capital \$8,200,000. Incorporated by the Corporation Trust Co. of America.

Cardenta Brush Corp., Wilmington, Del., capital \$2,000,000. To make tooth brushes under Culm patents. Incorporated by the Corporation Service Co.

American Shellac Co., New York, capital \$20,000. H. A. Solomon, J. Rosen. Attorney, M. J. Cahin, 200 Fifth ave.

Plania Carbon Co., Wilmington, Del., capital \$250,000. Import and export. Incorporated by the Colonial Charter Co.

Visible Gas-o-Clean Corp., Dover, Del., capital \$250,000. Oliver E. Saylor, B. M. Morgan, Winter Russell, New York. Incorporated by the Registration Trust Co.

James T. Blue Chemical Co., Washington, D. C., capital \$25,000, James T. Blue, Emery W. Williams, Joseph N. Gownder, Washington. Incorporated by the Delaware Registration Trust Co., 900 Market st., Wilmington, Del.

## The Heavy Chemical Market

#### Current Spot Quotations of Heavy Chemicals, Pages 1371-1372

#### COMPETITION LEADS TO PRICE CUTTING

Domestic Makers Reduce Ammonium Chloride and Iron Free Aluminum Sulfate To Meet Importers' Quotations-Imported Barium Chloride, Potash Alum and Saltpetre Reduced

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands) Advanced

Potassium Carbonate, 1/4c lb. Sodium Acetate, 1c lb. Declined

Alum Potash, Imp., ¼c tb.

Ammonium Chloride, Imp., ¼c tb. Saltpetre, Imp., ½c tb.

Ammonium Sulfate, 5c cwt.

Barium Chloride, Imp., §5 ton Sodium Nitrate, 5c cwt.

Barium Carbonate, Imp., §5 ton Sodium Silicofluoride, ½c tb.

Sodium Sulfade, Imp., ½c tb.

#### Trend of the Market

|                                   |          | Last     | Last     | Last   |
|-----------------------------------|----------|----------|----------|--------|
|                                   | Today    | Week     | Month    | Year   |
| Acetic Acid, Glacial              | \$.081/2 | \$.081/2 | \$ 081/2 | \$.11  |
| Sulfuric Acid, 65 degton          | 14.00    | 14.00    | 14 00    | 18.00  |
| Bleaching Powder, Works. 100 ths. | 1.60     | 1.60     | 1.60     | 2.40   |
| Copper Sulfate100 fbs.            | 5.95     | 5.95     | 5.50     | 5.25   |
| Potash, Caustictb.                |          | .0534    | .06      | .051/2 |
| Saltpetre, gran tb.               |          | .063/4   | .073/4   | .093   |
| Soda Ash, 58 p.c100 tbs.          | 1.80     | 1.80     | 1.80     | 2.25   |
| Caustic Soda, 76 p.c100 fbs.      | 3.75     | 3.85     | 3.65     | 3.85   |
| Potassium Bichromateb.            | .10      | .10      | .10      | .12    |
| Average                           | 3.035    | 3.045    | 3.056    | 3.571  |

Extreme quiet has ruled the heavy chemical market for the past week with the exception of price cutting in ammonium chloride and iron free aluminum sulfate in competition with importers. Makers generally are holding their prices firm, however. Sodium acetate has been advanced sharply by makers. Potassium carbonate is working higher. Importers' prices are tending lower. Reductions are named on imported potash alum, ammonium chloride, barium chloride, barium carbonate, magnesium chloride, saltpetre, sodium silicofluoride, and sodium sulfide. Spot caustic soda is lower on reduced demand for export. Under the circumstances buyers are showing little interest.

Acid, Acetic-Remains weak without change on a basis of \$2.25@\$2.371/2 for 28 per cent in carlots of barrels. Glacial weak at 8c@11c as to seller in carlots of barrels.

Acid, Lactic-Generally steady. Dark 22 per cent at 4c@41/2c and light at 51/2c@6c as to quantity in barrels from both importers and makers. Imported 80 per cent easy at 141/2c@15c.

Acid, Muriatic-Prices still unsettled. Basis named as \$1.10@\$1.50 for 20° in carlots of carboys as to brand.

Acid, Oxalic-Works price named at 14c with sales at 13%c in barrels in special cases. Spot at 143/4c in barrels.

Acid, Phosphoric-Technical 50 per cent at 8c@9c as to quantity. Syrupy 85-88 per cent is easy at 15c@16c.

Acid, Sulfuric-Fair movement on contract but little new business. Prices unchanged at \$14@\$16 per ton for 66° in tank cars at makers' works and \$9@\$11 for 60°, same basis.

Alum-Ammonia alum is unchanged at 31/4c@31/2c for lump in carlots and less in barrels as to quantity. No imported. Imported potash lump lower at 23/4c@3c as to quantity against 41/4c@41/2c named by domestic

Aluminum Sulfate-Imported iron free is coming in

freely. Offers of imported at \$2.10 per hundred against \$2.25@\$2.40 named by makers for prompt carlots of bags at works. One maker is cutting to a competitive level. Commercial at \$1.50 per hundred in carlots of bags at eastern works.

Ammonia Water-Prices quoted unchanged at 71/2c @91/sc for 26° in drums and carboys. One maker of fers at 7c carlots of returnable drums. Imported offered here at 6c@61/4c including drums. Shipments of imported a shade below spot prices.

Ammonium Carbonate-Powdered in barrels at 61/2c. Lump at 81/2c.

Ammonium Chloride-Imported soft and lower on lack of demand: Gray at 71/2c@8c and white at 61/4c @61/2c. Sales of white at 6c. Makers quote unchanged at 71/4c@8c for gray and 73/4c@8c for white.

Ammonium Sulfate-Soft at \$3.30 f. a. s. and \$2.85 in bulk at works.

Barium Carbonate-Imported easier at \$60. Domestic firm at \$75@\$80.

Barium Chloride-Imported lower at \$95. Domestic nominal at \$100.

Bleaching Powder-Nothing better than \$1.60 f. o. b. works, in carlots of large drums.

Copper Sulfate-Supplies very scarce. Makers' contracts with foreign consumers have absorbed most of nearby stocks. Nominal prices of \$6.00@\$6.10 per hundred for carlots delivered.

Magnesite-Raw quoted at \$15 per ton spot and calcined at \$55.

Magnesium Chloride-Imported lower. Fused at \$28 per ton and granulated at \$32. Makers name \$30 and \$32 for these two grades f. o. b. works.

Potash, Caustic-Easy with importers shading 53/4c on quantity business.

Potassium Bichromate-Easier from makers at 93/4c

@10c for crystal. Potassium Carbonate-Firmer. Calcined 80-85 per cent at 43/4c@5c and hydrated at 61/4c@61/2c. High grade 96-98 per cent at 61/2c@71/4c.

Potash Prussiate-Red firm at 85c@90c as to seller spot. Yellow steady at 321/2c@33c.

Saltpetre-Importers have reduced their prices to 61/4c @63/4c. Makers name 63/4c@81/4c.

Soda Ash-Easier. Spot at \$1.80@\$2.10. Contracts basis 43 per cent works in carlots of bags at \$1.20.

Soda, Caustic-Easier on spot on less active export demand. Offered at \$3.75@\$3.80. Contract basis unchanged at \$2.50 for carlots of fused basis 60 per cent

Sodium Acetate-Advanced by makers to 5c@51/2c as

to quantity Sodium Cyanide-Imported high grade in limited supply at 23c. Imported 120 per cent at 20c@21c. Domestic 96-98 per cent at 25c@27c and 73-76 per cent at 221/2c@24c.

Sodium Nitrate—Easier at \$2.60@\$2.70 as to seller and quantity spot. Contracts at \$2.25 for future delivery. Sodium Silicofluoride-Lower at 8c@81/2c in barrels as to quantity.

Soda Prussiate-Supplies light. Demand easy. Quoted at 23c@231/2c.

Sodium Sulfide-Importers and makers quote 60 per cent fused lower at 33/4c@41/4ic. Crystals, 30 per cent, lower at 21/2c@3c.

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#### Heavy Chemical Notes

According to reports from the Department of Agriculture, furfural obtained from corn cobs may become of importance as a motor fuel.

Heavy competition between makers of ammonia water is weakening the quoted market. In addition to this competition, importers are able to offer cheap stuff here in quantity.

The Du Pont Powder Co.'s storage magazine, at Gibbstown, N. J., containing 200 pounds of nitroglycerin, blew up June 4, destroying the building in which it was kept.

A warehouse owned by the Tilghman Phosphate to, of Salisbury, Md., at Laurel, Del., was destroyed by fire on the night of June 5. The loss is estimated at \$20,000.

C. A. Schier has resigned as assistant manager of the Cincinnati branch of the Grasselli Chemical Co., and will start in the mill supply business on his own account. His associates entertained Mr. Schier at a farewll dinner on May 29.

Prussiate of soda appears to be balanced in such a way that price trends will follow demand very closely. Spot stocks have been variously estimated at less than twenty-five tons, with less than ten tons in possession of the heaviest holder.

Business men in the potash district of Texas have petitioned Congress for protection against the competition of the German Potash Syndicate and the French Potash Society of Alsace, with a view to developing the Texas potash deposits.

Makers of aluminum sulfate have reduced their differential between barrel and bag packings from 20c per hundred to 15c. One of the makers of iron free sulfate has been cutting his price to meet that of importers. Others are much disturbed by the volume of imported offered but have not yet seen fit to cut their prices.

The plant of the Atmospheric Nitrogen Corp., Syracuse, N. Y., was damaged to an unknown extent and four operators injured by an explosion of one of the ammonia converters June 11. Sales agents for the corporation in New York had heard nothing of the explosion Tuesday and believed the damage trifling.

Metal prices are easier. Lake and electrolytic copper at 137%c. Antimony at 5½c. Lead at New York higher at \$5.75@\$5.90. Platinum firmer at \$87 per ounce for soft. Tin easier at 31½c for Straits, 30½c for American standard and 30¼c for 99 per cent. Zinc higher at 5¾c for common and 6½c for high grade in carlots of slabs.

The Armour phosphate plant at Columbia, Tenn., has resumed operations after being closed for six months. More than 100 men are employed.

#### FERTILIZER MARKET IN CANADA

Toronto, Canada, June 10.—The monthly report of the Trade of Canada for March shows imports of fertilizers of the value of \$268,451, as compared with \$455,292 for March 1921, nearly all from the United States. During the fiscal year ended March fertilizers were imported to the value of \$1,887,384, of which \$1,674,461 was from the United States, \$40,964 from Britain and \$171,959 from other countries, as compared with total imports of the value of \$4,427,564, of which \$3,503,303 was from the United States, \$172,056 from Britain and \$752,205 from other countries during the fiscal year ended March 1921.

#### DR. COTTRELL TAKES UP NITROGEN WORK

Washington, D. C., June 14.—Dr. Richard C. Tolman, Director of the Fixed Nitrogen Laboratory of the Department of Agriculture, has resigned to accept the position of Professor of Physical Chemistry and Mathematical Physics at the California Institute of Technology, Pasadena.

The position vacated by Dr. Tolman will be filled by Dr. F. G. Cottrell, at present Chairman of the Division of Chemistry and Chemical Technology, of the National Research Council. The Fixed Nitrogen Research Laboratory was established under the War Department, but was transferred to the Department of Agriculture July 1, 1921, and its work now is carried out with special reference to the use of the Muscle Shoals Cyanamid Plant and other plants, and to continue the investigation of nitrogen processes in general.

## FERTILIZER MEN IN SESSION (Special to Drug & CHEMICAL MARKETS)

White Sulphur Springs, W. Va., June 14.—Delegates to the annual meeting of the National Fertilizer Association and the summer meeting of the Southern Fertilizer Association began arriving here on Monday and a large representation was present when the convention opened on Tuesday. The proceedings included committee meetings in preparation for the discussions on the Muscle Shoals situation and in opposition to the offer made by Henry Ford for the Government plant. The Soil Improvement Committee reviewed its campaign for increased use of fertilizer.

The American Farm Bureau Federation has appealed to the agricultural interests of the country to urge Congress to accept the offer of Henry Ford for Muscle Shoals. The appeal says that the report of the Committee on Military Affairs showed that twelve of the twenty-one members recommended the acceptance of Ford's offer with the reservation that the Gorgas steam plant be eliminated in the property transferred to the Detroit manufacturer, and that ten members of the committee are to file a minority report asking the acceptance of Ford's offer in full, which stipulates that the Gorgas plant be included in the property.

The directors of the Allied Chemical and Dye Corp. are scheduled to meet on June 27, and according to current financial gossip there is a chance of the stock being placed on a \$6 annual dividend basis, says the "New York Times." In some quarters, however, it is believed that no change will be ordered in the present \$4 rate, although earnings might justify an increase. Last year was a bad one for the company in point of earnings, but it paid off a floating debt of \$11,000,000 and at the end of the year owed no money to the banks.

The National Lime Association will discuss the chemical uses of lime at the fourth annual convention of the Association, June 13 to 16, at the Statler Hotel, Cleveland, O. A symposium on "Lime for Chemical Industries" will be held Wednesday forenoon. It will comprise presentation of the usefulness of lime in paper making, glass making, water softening and textile manufacture.

The Manufacturing Chemists' Association of the United States will meet June 16, in the Whitehall Club, New York. The Executive Committee will review the work in connection with the tariff, the proposed changes in the patent law and attempts to enforce by Federal statute regulations governing discharge of factory waste into rivers and harbors.

H. T. Bonfield, formerly with the Hercules Powder Co., is now general manager of the Bishop Community Gold Producers Co., Bishop, California.

## The Fine Chemical Market

#### Current Spot Quotations of Fine Chemicals, Pages 1366-1368

#### ONE FACTOR ADVANCES COCAINE PRICE

Higher Cost Coca Leaves Cause—Others Do Not Follow
—Quicksilver Strong—Thymol Firmer—Acid Carbolic in Small Sizes Advanced—Quinine Quiet After
Cut—Prices Generally Firm

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

#### Advanced

Acid Carbolic, Botts., 2c tb. Thymol, 15c tb. Cocaine Hydehlide., \$1 oz.

#### Declined

Creosote, U.S.P., 5c fb.

#### Trend of the Market

|                          |        | Last   | Last   | Las   |
|--------------------------|--------|--------|--------|-------|
|                          | Today  | Week   | Month  | Year  |
| Acetanilid               | \$.30  | \$.30  | \$.31. | \$.30 |
| Acid, Citric, Import     | .441/2 | .441/2 | .45    | .43   |
| Caffeine, Alkaloid       | 3.75   | 3.75   | 3.75   | 5.90  |
| Calomel, American        | .94    | .94    | .94    | .93   |
| Camphor, Jap., ref       | .78    | .78    | .75    | .74   |
| Iodine, Resublimed       | 4.20   | 4.20   | 4.20   | 3.75  |
| Menthol                  | 5.50   | 5.50   | 5.50   | 3.80  |
| Morphine Sulfate         | 4.80   | 4.80   | 4.80   | 5.20  |
| Potassium Bromide, Cryst | .23    | .23    | .23    | .24   |
| Quinine Sulfate, Import  | .49    | .50    | * .50  | .65   |
| Sodium Salicylate        | .32    | .32    | .32    | .30   |
| Strychnine Sulfate       | .76    | .76    | .76    | 1.55  |
| Average                  | 1.85   | 1.85   | 1.85   | 2.01  |
|                          |        |        |        |       |

Strong features of the medicinal chemical situation tend to inject a note of firmness in spite of the lethargic character of demand. Buying is confined to routine channels, beyond which consumers do not appear anxious to extend their purchases until tariff uncertainties are eliminated to some extent, at least. Germany's ability to ship fine chemicals here at low prices has, temporarily at least, been halted owing to high prices ruling abroad, which has tended to send a larger portion of the domestic business to American manufacturers. Prices as a whole appear to be very well maintained, with few changes worth noting during the week past.

Acetanilid-Quiet and dull at 30c@32clb, U. S. P. in barrels.

Acid Carbolic—Owing to the strong position of bulk goods, distributors of small sizes have advanced prices. The new schedule is: 1 pound bottles or cans, 29c; 5 pound bottles or cans, 25c and 24c respectively; 10 pound cans, 23c; 25 pound cans, 22c; 50 pound cans, 21c; 112 pound drums, 20c; 250 pound drums, 17clb. Liquid, U. S. P., 1 pound bottles, 28c; 5 pound bottles, 24clb.

Acid Citric—Spot position firm. Stocks as a result of recent arrivals are heavy on spot but well held by strong hands. Spot imported kegs and casks, 44½c@45clb. American makers 45c@46clb. barrels. Demand steady, but supplies will undoubtedly be sufficient to take care of seasonable demand this summer.

Acid Tartaric—Trade appears to be looking for an advance in American makers' schedules, which now stand at 30clb, crystals and powder in barrels. Imported goods are firmly held at 28½c@29c for crystals and 29c@29½clb, for powder. Shipment prices at 28c@28½c c. i. f. represent a spot market well above

American makers' prices. Large stocks have been taken out of this market recently. British makers 1s 5dlb.

Alcohol—Wood somewhat firmer, but unchanged in prices at 52c@55c gallon 95-97 per cent, and 70c gallon barrels methanol. Denatured tends to strengthen somewhat, although it is still far from strong and selling below cost. As to formula and seller; 25c@35c gallon barrels or drums.

Antipyrine—Quiet, but strong and well held at \$2.101b, inside on spot ranging to \$2.25.

Bromides—As to seller and quantity, imported bromides range from 15c@17clb. for potash and soda, and 16c@18c for ammonium. Demand is steady, but the apparent high cost of import makes little difference to this market.

Camphor—Spot situation is dull. Heavy stocks would undoubtedly depress prices were they not held by strong hands on spot. Japanese refined 2½ pound slabs cases 78clb. Small stock of Jap cut tablets held at \$1.03lb. spot. Others 91c@94clb. American refiners 90clb. basis bulk. Small sizes 95c@96clb. Firmer situation in Japan.

Cocaine—Owing to higher cost of coca leaves, a leading factor has advanced the price of hydrochloride in 25 ounce lots to \$7.00 per ounce basis 5 ounce tins, smaller sizes extra, usual schedule. Other sellers maintain the \$6.00 level without change.

Cod Liver Oil—Fair demand for out of season. Prices unchanged at \$21.00 barrel ranging up to \$25.00 as to brand for spot Norwegian. Shipment \$22.50 c. i. f. Newfoundland oil spot \$19.00@\$20.00 barrel.

Creosote—In some cases, sellers who have been quoting 45clb. on U. S. P. creosote for some time past, have dropped to 40c, meeting a market which has been established for a number of months.

Formaldehyde—Dull and unchanged 7½c@8clb. barrels carlots f. o. b. works. Less cars 8c@8½c. Carboys 9c.

Glycerin—Quiet and soft at 14½c@15clb. C. P. in drums, cars and less cars, delivered east Mississippi River. Cans 15½c@16clb.

Hydrogen Peroxide—Schedule for bottles unchanged after last week's cut to \$7.50@\$7.75 gross 4 ounce; \$11.00@\$11.25 8 ounce; \$18.50@\$18.75 gross 16 ounce bottles, 10 gross lots and less.

Menthol—Steady demand for small lots, single cases and less cases. Price steady and unchanged \$5.50lb. cases, \$5.65 less cases. Shipment \$4.75 c. i. f. Stock's on spot closely held by strong hands.

Mercury—Strong at prevailing prices, \$55.00@\$56.00 flask, although buying has been limited. Reports by some small factors that they have done business on spot below these figures within the past ten days. Jobbing lots \$56.50@\$58.00.

Quinine—Last week's cut in quinine made little change except to reduce the level of quinine prices ten cents. Buying is restricted in spite of the reduced state of imported stocks. Outside of American makers, Dutch sulfate is offered at schedule, 50c ounce in 100 ounce tins, while a small lot of Jap sulfate is held at 49c@ 50c ounce. Minor salts now sold basis 50 ounce tins.

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Santonin—Leading importer's schedule still calls for \$167.00lb. base price for santonin crystals, but one or two small outside lots offered at \$155.00 spot. Demand dull

Thymol—Somewhat firmer spot \$4.25lb. cases, \$4.50 less cases.

#### Medicinal Chemical Notes

The foreign market value of tincture of Jamaica ginger was fixed for duty purposes by the Board of United States General Appraisers last week. The importation was from the Debenoy Chemical Co., and Frank W. Horner, Inc., of Montreal, Canada.

Improved conditions in the market for both raw and refined sugar were reflected in the establishment of new high prices for the year. Cuban raw sugar in an active market sold at 3 cents a pound, cost and freight. That price is 1½ cents above the low of last December. Influenced by the big improvement in domestic and export demand, refiners advanced their prices generally to 6 cents a pound, or about 1.20 cents above the December price.

The following prices ruling in Germany were noted under date of May 23 in the Chemiker Zeitung: acid tartaric, 160 marks for domestic, 180 marks per kilo for export; acid acetylsalicylic, 250 marks per kilo for home use; acid benzoic, 180 marks domestic, 200 marks kilo for export; potassium permangante, 67 marks domestic, 73 marks export; potassium bromide, 68 marks kilo domestic; ammonium bromide, 70 marks; sodium bromide 73 marks.

The Commissioner of Internal Revenue, has issued an amendment to Section 96 of Regulation 60, which reads: "All permittees authorized to receive intoxicating liquors for use or sale pursuant to these regulations shall keep records and make reports in such form as the Commissioner shall require, of all liquors received and used or otherwise disposed of, and of materials and manufactured products either containing or used or otherwise disposed of in connection with any liquor. Failure to keep such records or to render such reports shall, in the discretion of the Commissioner, constitute sufficient grounds for revocation of permit."

#### COMPANY WILL MAKE NITRO-CELLULOSE

The Pickering Chemical Corp., 1 Madison ave., New York, has elected Oscar W. Pickering, president; John M. Hartmann, treasurer; H. E. Martin, vice president, and H. B. Pickering, secretary. The company will make nitro-cellulose, at its plant at Nitro, W. Va., which will be erected at a cost of \$50,000. The products used in its manufacturing process are cellulose, mixed acid and alcohol. The company now owns about 3½ acres of land, a brick building of four stories, 184 feet deep, and other buildings and equipment for producing 2,000 pounds of nitro-cellulose per day.

Oscar W. Pickering, president, was connected with the Fibreloid Corp. and the Viscoloid Co., and later was employed by the Du Pont Co. in making plans for their celluloid company. John W. Hartmann was formerly a member of Hartmann Bros., Mt. Vernon, N. Y., and is now a director of Hartmann-Sanders Co., Chicago, both manufacturing concerns. H. E. Martin was formerly with the Price Food Products Corp., Minneapolis, Minn., and the Federated Engineers Development Corp., of Jersey City.

#### LICENSES FOR FOREIGN DYES

(Continued from page 1348)

|            | (Continued from page   | 1348)            |                  |
|------------|--|------------------|------------------|
| Sch        | ultz   | Common           | Curity 1 1       |
| 855        |  | Germany          | Switzerland      |
| 033        | Alizarine Sky Blue B   | . 1,975          |                  |
|            | Alizarine Liranole & Powder  | 100              |                  |
| 536<br>536 | Alkali Blue R  | . 224            |                  |
| 300        | Alkali Fast Green 3 G  | . 200            |                  |
|            | Alkali Blue R. Alkali Blue 3 R. Alkali Fast Green 3 G. Aminogene Blue R N.   |                  | 880              |
| 6          | Aniline Yellow. Anthosine 3 B. Anthracene Brown R D. Anthracene Brown R D. Anthracene Chromate Black L C. Anthracene Chromate Brown E B. Anthradiavone G C Paste Anthraquinone Green G X N O. Anthraquinone Blue S R Extra Pdr. Anthraquinone Blue S R Extra Pdr. Anthraquinone Violet. Azo Carmine G X. A Benzo Fast Blue FFL. Benzo Fast Blue FFL. Benzo Fast Blue G. A Benzo Fast Blue 4 G O. Benzo Fast Brown G L. Benzo Fast Heliotrope B L.  | . 25             |                  |
| 782        | Anthracene Brown R D   | . 50             | 1,000            |
|            | Anthracene Chromate Black L C  | . 500            |                  |
|            | Anthracene Chrome Brown E B  | . 100            |                  |
| 759        | Anthraflavone G C Paste  | . 100            |                  |
| 864        | Anthraquinone Green G X N O  | . 15             |                  |
| 853        | Anthraquinone Violet   | . 15             |                  |
| 672        | Azo Carmine G X  | . 5,550          |                  |
| 450-       | Renzo Fast Black I.  | 600              |                  |
|            | Benzo Fast Blue G  | . 25             |                  |
| 456-       | A Benzo Fast Blue 4 G O  | . 175            |                  |
|            | Benzo Fast Heliotrope B L  | 1,120            |                  |
|            | Benzo Fast Heliotrope B L  | . 100            |                  |
| 332        | Benzo Fast Red 8 B L   | 120<br>165       |                  |
| 332        | Benzo Fast Brown G L. Benzo Fast Heliotrope B L. Benzo Fast Heliotrope B L. Benzo Fast Heliotrope B L. Benzo Fast Red B L. Benzo Fast Red 8 B L. Benzo Fast Red 9 B L. Benzo Fast Red 9 B L. Benzo Khoduline Red B. Benzo Violet O. Brilliant Benzo Violet B. Brilliant Fast Blue B. Brilliant Fast Blue G. Brilliant Indigo B Paste.  | 100              |                  |
|            | Benzo Rhoduline Red B  | 45               |                  |
| 326        | Brilliant Benzo Violet R   | 500<br>220       |                  |
|            | Brilliant Fast Blue B  | 25               |                  |
| 885        | Brilliant Fast Blue GG   | 55               |                  |
| 886        |  |                  |                  |
| 887        | Brilliant Indigo 4 G   | 50               |                  |
|            | Brilliant Pure Yellow 6 G Extra Conc   | 2,200            |                  |
|            | Brilliant Sky Blue 8 G Extra   | 660<br>50        |                  |
| 182        | Brilliant Indigo G Paste. Brilliant Pure Yellow G Extra Conc. Brilliant Pure Yellow G Extra Conc. Brilliant Sky Blue 8 G Extra. Brilliant Suphon Red B. Chinoline Yellow K T Extra Conc. Chloramine Brilliant Red 8 B. Chinoline Yellow K T Extra Conc. Chloramine Red B. Chloramine Red B. Chloramine Red B. Chloramine Red B S. Chloramine Fast Blue R L. Chlorantine Fast Blue R L. Chlorantine Fast Brown 3 B L. Chlorantine Fast Brown 3 B L. Chlorantine Fast Brown R L. Chlorantine Fast Brown R L. Chlorantine Fast Rubine R L. Chlorantine Fast Rubine R L. Chlorantine Fast Rubine R L. Chlorantine Fast Violet B L. Chlorantine Fast Violet B L. Chlorantine Fast Violet R L. Chlorantine Fast Yellow 4 G L. Chlorantine Fast Yellow R L. Chrome Cyanine G. Chromaxan Brilliant Blue G. Cha Blue 2 B Powder. Ciba Blue 2 B Powder or Paste. Ciba Green G Powder or Paste. Ciba Green G Paste. Ciba Green G Paste. Ciba Pink B G 10% Paste Ciba Red R Paste or Powder. Ciba Violet B Paste or Powder. | -                | 500              |
| 613        | Chinoline Yellow   | 2 640            | 3,000            |
| 613        | Chloramine Brilliant Red 8 B   | 3,640            | 2,000            |
| 319        | Chloramine Red B   |                  | 1,000            |
|            | Chloramine Red 8 B S   | 585              | 12 506           |
| 451        | Chlorantine Fast Blue 2 G L  |                  | 13,596<br>14,564 |
| 101        | Chlorantine Fast Bordeaux 2 B L  |                  | 7,040            |
|            | Chlorantine Fast Brown 3 B L   |                  | 2,444<br>3,190   |
|            | Chlorantine Fast Red 7 R I   |                  | 1,540            |
|            | Chlorantine Fast Rubine R L  |                  | 440              |
|            | Chlorantine Fast Violet B L  |                  | 2,090<br>3,458   |
|            | Chlorantine Violet 4 B L   |                  | 440              |
|            | Chlorantine Fast Violet 2 R L  |                  | 2,695            |
|            | Chlorantine Fast Yellow 4 G L  |                  | 1,100            |
|            | Chlorantine Violet 4 B I   |                  | 4,905            |
|            | Chrome Brown T V   | ***              | 7,700            |
|            | Chrome Cyanine G   | 500<br>750       |                  |
| 881        | Ciba Plue 2 R Powder   | /30              | 440              |
| 881        | Ciba Blue 2 B D Paste  |                  | 12,560           |
| 882        | Ciba Blue G Powder   |                  | 55<br>400        |
| 919        | Ciba Green G Powder or Paste   |                  | 1,269            |
| 891        | Ciba Green G 10% Paste   |                  | 5,500<br>220     |
|            | Ciba Green G Paste   |                  | 220<br>299       |
| 911        | Ciba Orange G Paste  |                  | 440              |
| 912        | Ciba Pink B G 10% Paste  |                  | 2,200            |
| 000        | Ciba Pink B. G 20% Paste or Powder   |                  | 3,080            |
| 906<br>909 | Ciba Red R Paste or Powder   |                  | 6,710            |
| 907        | Ciba Scarlet G 20% Paste or Powder   |                  | 4,367            |
| 901        | Ciba Violet B Paste or Powder  |                  | 8,010            |
| 890        | Ciba Vellow G.   |                  | 7,997<br>1,100   |
| 868        | Ciba Red R Paste or Powder. Ciba Scarlet G 20% Paste or Powder. Ciba Violet B Paste or Powder. Ciba Violet R Paste or Powder. Ciba Vellow G. Cibanone Brown R Paste. Cibanone Green B Paste.   |                  | 330              |
|            | Cibanone Green B Paste   |                  | 4,620<br>506     |
| 792        | Cibanone Yellow 3 G  |                  | 715              |
| 795        | Cibanone Yellow R Powder   |                  | 330              |
|            | Cibanone Green B Paste Cibanone Orange R Powder or Paste Cibanone Yellow 3 G Cibanone Yellow R Powder Cloth Fast Green G Cyananthrol 3 G Cyananthrol B V G.  | 200              | 2,717            |
| 860<br>859 | Cyananthrol R X O  | 30               |                  |
| 546        | Cuancle Extra  | 30               |                  |
| 546        | Cyangle FF   | 105<br>100       |                  |
|            | Diamine Azo Orange 2 R   | 500              |                  |
| 402        | Developer Z.  Diamine Azo Orange 2 R.  Diamine Blue Black E.   | 10               |                  |
|            |  | 10               |                  |
| 448        | Diamine Bronze G<br>Diamine Brown 3 G  | 40<br>10         |                  |
| 344        | Diamine Catechine B  | 185              |                  |
| 344        |  |                  |                  |
| 344        | Diamine Catechine G  | 100              | 410              |
| 344        | Diamine Catechine G  |                  | 110              |
| 344        | Diamine Catechine G  | 100<br>610       | 110              |
| 344        | Diamine Catechine G  | 10<br>610<br>100 | 110              |

## The Intermediate and Dye Market

#### Current Spot Quotations of Intermediates and Dyes, Pages 1375-1376

#### CONSUMERS BUYING MORE FREELY

Gradually Taking Larger Stocks—Coal-Tar Refiners Advance Prices on C. P. Benzene, Cresylic Acid and Solvent Naphtha—Sharp Competition in Aniline Oil and Beta-naphthol Continues

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

#### Advanced

Benzene, 1c gal. Cresylic Acid, 3c gal. Solvent Naphtha, 2c gal.

#### Declined

Acid H, 5c tb.

Dimethyaniline, 2c tb.
R Salt, 4c tb.

#### Trend of the Market

|                       |       | Last  | Last  | Last  |
|-----------------------|-------|-------|-------|-------|
|                       | Today | Week  | Month | Year  |
| Benzene, C. Pgal.     | \$.30 | \$.30 | \$.29 | \$.27 |
| Naphthalene, flaketb. | .07   | .07   | .07   | .08   |
| Phenoltb.             | .12   | .12   | .12   | .09   |
| Xylene, 2 degreesgal. | .45   | .45   | .45   | .60   |
| Toluene, puregal.     | .30   | .30   | .30   | .28   |
| Aniline Oiltb.        | .14   | .14   | .15   | .20   |
| Benzaldehydetb.       | .65   | .65   | .55   | .45   |
| Betanaphthol, dist    | .23   | .23   | .28   | .36   |
| Paranitroanilinetb.   | .75   | .75   | .75   | -85   |
| o-Toluidinetb.        | .16   | .16   | .16   | .25   |
| Average               | 0.316 | 0.316 | 0.312 | 0.338 |

Increased movement in intermediates seems largely due to the continued pressure on prices exerted by sellers. Certainly consumers are taking on gradually larger stocks in many lines, and while sellers state that their present prices leave them practically no profit their efforts to push sales even at price cuts continue. In some cases this is not true, but generally speaking tonnage products are subject to shading. Coal-tar refiners advanced their prices on C. P. benzene, cresylic acid and solvent naphtha last week. Aniline oil and beta-naphthol are still subject to sharp competition. H acid is being moved at lower prices. Dimethylaniline and R salt are lower.

#### Coal Tar Crudes

Anthracene—Prices firm from refiners at 75c@\$1.00 for 80-85 per cent as to quantity. Prices on 40-45 per cent at 12c@17c as to quantity.

Benzene—Refiners name 30c firm for tanks and 35c for drums in any quantity for C. P. benzene. Supplies are tight and no surpluses could be located. The 90 per cent grade is unchanged at 32c in drums and 27c in tanks.

Carbazol-Named at 75c in barrels by refiners:

Cresylic Acid—Scarce and higher in spite of imports. Dark 95 per cent at 51c@53c per gallon in drums, straw 97-99 per cent at 56c@58c, and decolorized at 76c@78c

Naphthalene—Fair belated inquiry. Flake at 7c@8c as to quantity from refiners and 6½c from outside sellers. Balls at 8c@9c.

**Phenol**—U. S. P. scarce at 14c. Government surplus stocks at 12c@17c as to quantity and packing. Natural at 15c@16c.

Solvent Naphtha—Tanks at 27c and drums at 32c from refiners. Firm at the advance.

Toluene-Unchanged at 30c in tanks and 35c in drums.

Xylene—No more offers of 10° stuff. Prices un-

Intermediates

Acid, Anthranilic-Firm at \$1.10 for technical in barrels and \$1.30 for purified.

Acid Gamma-Unchanged. Best at \$1.80 and up to \$2.00 as to brand

Acid H—One maker is offering at 75c in ton lots in barrels and reports good movement at this figure. Others are holding at 80c for similar quantities and up to 85c in small lots with some movement on short stocks.

Acid, Monosulfonic F—Firm at \$2.30 in 50 pound kegs from makers.

Acid, Sulfanilic—Steady on fair movement at 22c@24c as to quantity from makers.

Acid, Tobias-Quoted firm at \$1.50 in 250 pound barrels.

Acetanilid—Makers quote technical at 25c@27c as to quantity in barrels.

Alpha-naphthylamine—Makers hold firm at 30@32c on fair movement as to quantity.

Aniline Oil—Five drum lots at 14c represent the market at present. Quotations of 15c on lots of this size have little meaning. More or less confused rumors of lower prices are widely cur-

rent in the trade but could not be definitely confirmed.

Aniline Salt—Steady demand at 22c@24c as to quan-

Anthraquinone—Reports of prices below \$1.35 for sublimed are denied. Up to \$1.60 is quoted as to brand and quality. Paste, 30 per cent, at 75c@80c basis 100 per cent.

Benzaldehyde—Makers hold technical firm at 65c in drums on very limited demand.

Benzidine—Base steady at 85c and up to 90c as to quantity. Sulfate paste, at 75c@80c as to quantity on a 100 per cent basis.

Chloroform—Makers hold technical at 273/4c in drums and up to 303/4c in tins. Resale U. S. P. stuff on spot at 28c in drums.

Beta-naphthol—Prices of 23c@25c may be taken as representing the market for ton lots and less although it is admitted that business at lower figures on quantity lots is being done on competition. Makers are unwilling to confirm lower prices at present.

Dimethylan inp—Competition ibetween makers has forced prices down here. Quotations of 34c on five drum lots are generally admitted but there is little doubt that larger lots could be done cheaper.

Dinitrobenzene—Makers hold firm at 20c@23c for ton lots as to quality.

Para-nitroaniline—Makers hold firm at 75c@77c on ton lots as to brand. Single barrels 77c@79c. Fair movement.

R Salt-Quoted lower at 50c.

#### Starches and Dextrines

Better movement noted throughout. British gum firm at \$3.29@\$3.57 per hundred in bags in cars and less. Corn dextrin, \$2.99@\$3.27 and potato, 9c@9½c per pound. Starch is higher. Powdered at \$2.47@\$2.75 and pearl at \$2.37@\$2.65 per hundred in cars and less in bags. Domestic potato starch at 5½c@5½c against 6¾c@7½c for imported duty paid. Tapioca flour unchanged at 3c@3½c for low grade and up to 5c@5¾c for high grade.

#### Dyestuff Notes

The Barrett Co. filed a judgment last week for \$517.66 against John Shechter & Son. It was obtained Oct. 9, 1920.

Firmness at higher prices in coal tar products recently announced by refiners is expected to reflect itself in firmness throughout the list of their derivatives.

C. A. Patterson, vice-president and general manager of E. I. duPont de Nemours & Co., was a visitor at the San Francisco office of this concern in June.

Makers of H acid and dimethylaniline have joined those of aniline and beta-naphthol in cutting prices to interest consumers. However, in spite of the disturbances of the price cutters a few manufacturers are able to hold out and maintain their prices.

The Grasselli Chemical Co., 117 Hudson st., New York, announces a new sulfur dye under the name Sulfur Brown I. M, which gives attractive cutch shades of good fastness to washing, cross-dyeing, ironing and perspiration. It is recommended especially for raw stock and yarn dyeing.

The Synthetic Organic Chemical Manufacturers Association has appointed a committee to study the lists of licenses granted for the importation of dyestuffs, and to determine the needs of American consumers in order to learn how nearly American manufacturers can fill their wants.

Refiners of coal tar products have set two standard prices each on benzene, toluene, xylene, and solvent naphtha. The price basis is a tank car lot of 8,000 gallons. Drums of 110-gallons, whether single or in carlots, are quoted 5c per gallon above this basis. Members of the trade, who ordinarily buy in quantity in drums are much disturbed over the change.

Rumors in the trade that the Raritan Aniline Works, New Brunswick, N. J., are closed permanently are emphatically denied at the office of the Grasselli Chemical Co., their New York selling agents. Aniline oil, aniline for motor fuel, thiocarbanilic and nitrobenzene are the company's principal products. It is stated that the company's plant is closed temporarily for repairs and that stocks of its products now on hand are sufficient to care for present needs.

Heirs of the late Daniel Baugh, head of the Baugh Chemical Co. and of the Baugh & Sons Co., manufacturers of chemicals and fertilizers, with plants at Baltimore and Philadelphia, on May 31 arrived at a settlement of the contest over Mr. Baugh's will, the the agreement confirming Mrs. Benjamin Brewster, daughter of Mr. Baugh and wife of the present head of the companies, as the principal beneficiary of the \$3,000,000 estate left by the testator. Her share of the property will ultimately go to her children. The case was to have come up in the Philadelphia courts on May 31, Paul D. Baugh, a son, who was allowed only the income from \$200,000, having instituted a contest. Before the hearing began it was announced that a settlement had been reached. Mrs. Edwin Baugh, the widow of another son, was a party to the case.

The initial unit of the fertilizer factory being built at Lakeland, Fla., by the Non-Acid Fertilizer and Chemical Co., will cost \$1,000,000. C. W. Deen is president and E. E. Memminger is the manager and engineer in charge, with plans for the first year's output of 50,000 tons of fertilizer.

The Annapolis Lead Co., St. Louis, Mo., wi'l build a plant at Annapolis, Md., with a capacity of 1,000 tons of lead, to cost \$400,000.

#### LICENSES FOR FOREIGN DYES

(Continued from page 1353)

|              | (Continued from page 1  | 333)       |               |
|--------------|---|------------|---------------|
| Schul        | tz<br>Decimation of Dec   | Germany    | Switzerland   |
| No.          | Designation of Dye Diamine Fast Red 8 B L Diaminogene Blue N A Diaminogene Blue B B. Diaminogene Ryllow N 110% Diaminogene Extra Diaminogene Extra Diaminogene Sky Blue N. Diazo Bordeaux 7 B Diazo Brilliant Black B. Diazo Brilliant Orange 5 G. Diazo Brilliant Orange 5 G. Diazo Brilliant Orange 2 R. Diazo Brilliant Orange 3 R. Diazo Brilliant Orange 2 R. Diazo Brilliant Orange 3 R.        | 50         |               |
| 273          | Diaminogene Blue N A  | 50         |               |
| 273          | Diaminogene Blue B B  | 100<br>50  |               |
| 404          | Diamine Yellow N 110%   | 640        |               |
| 274          | Diaminogene Sky Blue N  | 1,500      |               |
|              | Diazo Bordeaux 7 B  | 95         |               |
| 364          | Diazo Brilliant Black B   | 200<br>50  |               |
|              | Diazo Brilliant Orange 5 G  | 50         |               |
|              | Diazo Brilliant Scarlet 2 B L Extra Conc.   | . 5        |               |
|              | Diazo Fast Bordeaux B L   | 5          |               |
|              | Diazo Fast Violet 3 R L   | 30         |               |
| 274-A        | Diazo Indigo Blue 2 R L   | 50         |               |
|              | Diazo Sky Plue 3 G  | 705        |               |
|              | Diazo Violet B L  | 10         |               |
|              | Diazo Yellow 2 G  | 200<br>50  |               |
|              | Diazo Brilliant Orange G R.  Diazo Brilliant Orange G R.  Diazo Brilliant Scarlet 2 B L Extra Conc.  Diazo Fast Bordeaux B L.  Diazo Fast Violet 3 R L.  Diazo Fast Violet 3 R L.  Diazo Olive G  Diazo Sky Blue 3 G.  Diazo Sky Blue 3 G.  Diazo Violet B L.  Diazo Yellow 2 G.  Diazo Yellow R.  Diazophenvl Black V.  Diazophenvl Black V.  Diolenyl Brown B B N C.  Diphenyl Brown G N C.  Diphenyl Violet R J.  Eclipse Brown B K.  Eclipse Brown 3 G K.  Erika B Extra.  Erika G N. | 30         | 2,000         |
|              | Diphenyl Brown B B N C  |            | 110           |
|              | Diphenyl Brown G N C  |            | 1,900         |
|              | Diphenyl Violet R J   |            | 220<br>10,000 |
|              | Eclipse Brown 3 G K   |            | 8,000         |
| 121          | Erika B Extra   | 25         |               |
| 122          | Erika G N   | 325        | 2,000         |
| 551          | Frio Chrome Azurol B X Conc   |            | 8.000         |
| 331          | Erio Chrome Blue S  |            | 1.500         |
|              | Erio Chrome Brown R O S   |            | 1.000         |
|              | Erio Chrome Cvanine R C   |            | 110           |
|              | Erika B Extra.  Erika G N.  Erio Carmine 2 B C.  Erio Chrome Azurol B X Conc.  Erio Chrome Blue S.  Erio Chrome Brown R O S.  Erio Chrome Cvanine R C.  Erio Chrome Geranol.  Erio Chrome Flavine A Conc.  Erio Chrome Red B.   |            | 3,200         |
| 29           | Erio Chrome Red B   |            | 1,000         |
|              | Erio Chrome Red G   | 500        | 220           |
| 523          | East Creen Extra Pluish   | 500        |               |
| 323          | Erio Chrome Red G. Ethyl Violet. Fast Green Extra Bluish. Fast Green Extra Bluish Conc. 60/100 Fast Light Green Fast Light Yellow 2 G. Fast Light Yellow 3 G. Fast Mordant Yellow G. Fast Mordant Yellow G.   | 20,000     |               |
| 523-A        | Fast Light Green  | 50         |               |
| 19           | Fast Light Yellow 2 G   | 1 1 100    | 1,000         |
| 19<br>294    | Fast Mordant Vellow G   | 1,300      |               |
|              | Fastigen B  |            |               |
| 658-A        | Fastigen B. Gallophenine P. Geranine G.   | 200        |               |
| 118          | Geranine G. Hansa Yellow 5 G lumps. Helindone Brown 2 R Powder. Helindone Golden Orange I R R T Paste Helindone Pink A N Paste. Helindone Pink B Extra Paste. Helindone Pink B Extra Paste. Helindone Pink R Extra Paste. Helindone Red 3 B. Hydron Blue G 30% Paste. Hydron Blue G 30% Paste. Hydron Brown G Powder. Hydron Brown G Paste. Hydron Brown G Paste. Hydron Brown G Paste.   | 235<br>500 |               |
| 902          | Helindone Brown 2 R Powder  | 50         |               |
| 761          | Helindone Golden Orange I R R T Paste   | 4,500      |               |
| 910          | Helindone Pink A N Paste  | 1,050      |               |
|              | Helindone Pink A N 10% Paste  | 400        |               |
|              | Helindone Pink R Extra Paste  | 10,060     |               |
| 918          | Helindone Red 3 B   | 1,750      |               |
| 748          | Hvdron Blue G 30% Paste   | 500        |               |
| 748          | Hydron Blue R Powder  | 10         |               |
|              | Hydron Brown G Paste  | 135        |               |
|              | Hydron Brown G Powder   | 25         |               |
|              | Hydron Brown R Paste.  Hydron Brown R Powder.  Hydron Green G Paste.  Hydron Navy Blue C Powder.  Hydron Orange R Paste.  | 125        |               |
|              | Hydron Green G Paste  | 110        |               |
|              | Hydron Navy Blue C Powder   | 100        |               |
|              | Hvdron Orange R Paste   | 110        |               |
|              | Hydron Fink F F Faste   | 325        |               |
|              | Hydron Scarlet S B Paste  | 10         |               |
|              | Hydron Yellow N F Paste   | 700        |               |
| 843          | Immedial Direct Blue B  | 466        |               |
| 842          | Indanthrene Blue G C Double Paste   | 1.000      |               |
|              | Indanthrene Blue 2 GSP Double Paste.  | 500        |               |
| 020          | Indanthrene Blue RSP Powder   | 750        |               |
| 838<br>850   | Hydron Scarlet B B Paste. Hydron Scarlet S B Paste. Hydron Yellow N F Paste. Immedial Direct Blue B. Indanthrene Blue G C Powder. Indanthrene Blue G C Double Paste. Indanthrene Blue G C Double Paste. Indanthrene Blue RSP Powder. Indanthrene Blue RSP Priple Powder. Indanthrene Blue W B Powder. Indanthrene Blue W B Powder. Indanthrene Brown B. Indanthrene Golden Orange Indanthrene Golden Orange   | 490        |               |
| 867          | Indanthrene Brown B   | 500        |               |
| 827          | Indanthrene Claret B Extra Paste  | 80         |               |
| 760          |   | 700        |               |
| 760          | G Single Paste  | 700        |               |
|              | Indanthrene Golden Orange<br>G Double Paste   | 550        |               |
| 761          | Indanthrene Golden Orange RKT Paste   | 1,050      |               |
| 761          | Indanthrene Golden Orange RRT Double  | 19         |               |
| 873-B        | Paste Indanthrene Pink B Domble Paste Indanthrene Red B N Extra Paste Indanthrene Violet RR Extra Indanthrene Yellow G Powder   | 210        |               |
| 831          | Indanthrene Red B N Extra Paste   | 135        |               |
| 767          | Indanthrene Violet RR Extra   | 75         |               |
| 849<br>538-A | Ink Rine RITRNOO  | 1,100      |               |
| 300-11       | Ink Blue BITBNOO. Katicene Brilliant Green 3 G. Lanasol Blue B. Lithol Rubine B N.  | 500        |               |
|              | Lanasol Blue B  |            | 880           |
| 152          | Lithol Rubine B N   | 290        |               |
| 538          | Martius Yellow  | 100        | 3 760         |
| 659          | Methylene Blue BG Conc  | 25         | 3,760         |
| 198          | Mimosa Z Conc   | 2.5        | 4,300         |
| 635          | Modern Violet Powder  |            | 1.600         |
|              | Naptha Chrome Azurine B   |            | 3,300         |
|              | Naptha Chrome Violet R  |            | 836           |
|              | (Continued on page 135  | 7)         |               |
|              |   |            |               |

## The Oil Market

#### Current Spot Quotations of Oils, Tallows, Greases, 1378, Naval Stores, 1379

#### SHARP COMPETITION IN LINSEED

Manila Coconut Oil Weaker—China Wood Oil on Spot Very Firm—Rosin and Turpentine Lower—New Catches of Menhaden and Cod Force Lower Price on These Oils

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

#### Advanced No advances Declined

Coconut, Manila, 1/4c fb. Cod, 2c gal. Linseed, 2c gal.

Menhaden, Refd., 2c gal. Rosin, 25c bbl. Sperm, 6c gal. Turpentine, 1c gal.

#### Trend of the Market

|                             |        | Last   | Last   | Last   |
|-----------------------------|--------|--------|--------|--------|
|                             | Today  | Week   | Month  | Year   |
| Cod Oil, N. F               | \$.56  | \$.58  | \$.58  | \$.44  |
| Degras, American, bbls      | .04    | .04    | .045/4 | .05    |
| Lard, No. 1                 | .80    | .80    | .80    | .65    |
| Menhaden, crd. bbls         | .35    | .35    | .42    | .30    |
| Neatsfoot, 20 deg. ct., gal | 1.80   | 1.80   | 1.80   | 1.00   |
| Red Oil, distilled          | .081/2 | .081/2 | .081/4 | .063/4 |
| Stearic Acid, T. P          |        | .101/2 | .10    | .103/4 |
| Coconut, Ceylon, Dom., bbls | .083/4 | .083/4 | .083/4 | .10    |
| Cottonseed crude, tanks     | .093/4 | .093/4 | .10    | .051/4 |
| Linseed, Carlots, bbls      | .82    | .84    | .88    | .74    |
| Olive, denatured            |        | 1.12   | 1.12   | 1.45   |
| Peanut, refined             | .131/4 | .133/4 | .131/4 | .10    |
| Soya Bean, bbls             | .111/2 | .111/2 | .111/2 | .0734  |
| Average                     | 0.465  | 0.468  | 0.475  | 0.394  |

Softness rules in oils on lack of demand from either consuming or speculative buyers. Offers of oil from the new catches of menhaden and cod have forced weakness in these oils. Sperm oil has been reduced for similar reasons. Linseed oil is weak and shows a declining tendency on sharp competition and lower seed prices. Manila coconut oil has weakened and is quoted lower in contradiction of many recent opinions in the trade. China wood oil is very firm on spot. Cottonseed oil is weak and lacking interest. Rosin and turpentine are lower.

#### Vegetable Oils

Linseed Oil—Prices are suffering from competition between crushers. Quotations are lower at 82c@84c in carlots of barrels as to brand. It is well understood however that 80c can be done on actual business. Imported oil is correspondingly weaker at 79c@81c as to position and quantity. The London market is quoted at 43s 6d per quintal. Antwerp quotes 211 francs per 100 kilos.

Seed prices are lower and weak. Buenos Aires quotes \$1.82. July Duluth seed is lower at \$2.45 against \$2.35½ for October. Winnipeg quotes lower at \$2.22 for July and \$2.10½ for October.

Castor Oil-Steady at 12c for No. 1 and 11c for No. 3 in barrels

China Wood Oil—Spot barrels are firmer at 13\(\frac{1}{2}\)c (@14c, on good demand. Shipment oil is firm at 12c (@12\(\frac{1}{2}\)c in barrels c, i. f. New York. Coast oil is neglected at 11\(\frac{1}{2}\)c in sellers' tanks.

Coconut Oil—In spite of indications Manila oil has weakened on the Coast and sellers' tanks are now quoted at 7c@71/4c. Sales are said to have been made as low as 63/4c. Ceylon and Cochin oils are barely holding their own at 83/4c and 91/4c in spot bbls. respectively. Edible is holding at 10c@101/4c in barrels spot.

Corn Oil-Refined corn oil is steady at 12c@123/4c

in barrels spot. Crude is neglected at mills, with tanks at 9½c@9½c and barrels at 10¾c@11c.

Cottonseed Oil—Practically dead. Crude nominal with last sale recorded at 934c in buyers' tanks at mills. Prime summer yellow neglected on the Exchange at 11c@111/2c June to October, and 91/2c@97%c November to January.

Palm Oil—Soft. Prices have not declined as yet. Lagos casks are quoted at 7½c@7½c but rumors of offers at 7c are heard. Niger holds at 6c@6½c and bonny old Calabar at 6½c@7c.

Peanut Oil—Soft and lacking interest from consumers. Crude at mills quoted at 10c@10¼c in buyers' tanks. Refined oil on spot moving in a routine way at 13c@13¼c in barrels.

Perilla Oil—Firm and active. Spot barrels at 13½c @14c. Shipment at 12½c@13c c. i. f. New York.

Rapeseed Oil-Prices steady at 83c@85c for refined in barrels and 92c@95c for blown.

Soya Bean Oil—Little or no interest from consumers. Coast oil in sellers' tanks at 10c@10½c. Bulk oil c. i, f. New York at 7c@7½c in bond. Spot crude in barrels at 11½c and edible at 13c@13½c.

Animal Oils

Degras—Prices steady. American at 4c@41/4c and
English at 41/4c@41/2c. Neutral firmer at 7c@81/2c as

to quality.

Horse Oil-Firmer at 61/4c.

Lard Oil—Routine movement. Technical prime at 10½c@11½c as to brand. Edible prime at 14½c. Other grades based on No. 1 at 9½c.

Neatsfoot Oil-Unchanged at 22c for 20° cold test oil and 18c for pure.

#### Fish Oils

Cod Oil—Easier. Newfoundland barrels at 56c@58c spot. Tanks at 53c@55c. Demand easy.

Herring Oil-Spot barrels at 44c@45c.

Menhaden Oil—New catch oil in tanks at works offered at 35c. Barrels at 38c. Refined grades easier. Light strained at 53c@55c. Yellow bleached at 55c@56c. Extra bleached winter at 58c@60c. Blown menhaden at 63c@66c as to seller.

Salmon Oil—Tanks firmer on the Coast at 36c.

Sperm Oil—Reduced on sluggish demand. Bleached winter, 38° cold test at \$1.59 and 45° cold test at \$1.54 in barrels.

#### Naval Stores

Rosin—Prices lower on spot. Present range is \$5.30 for B up to \$8.25 for WW.

Turpentine—Spot easier at 95c@96c as to seller. Savannah at 89c. London easier at 67s per quintal.

The Egyptian Government has issued regulations to expedite customs clearance of varnish, saying: "Shippers of varnish containing alcohol are requested to indicate clearly in the invoices: (a) The percentage of alcoholic content in the varnsh; (b) whether or not the alcoholic content is denatured and, if it is denatured, the character and the percentage of each product used to denature the alcohol."

Douglas B. Crane, of Wightman & Crane, San Francisco, who make a specialty of copra, has returned from a six months' trip to the South Seas, Australia, and New Zealand. He says business conditions there are improving and that the price of South Sea Island products is rising.

#### Oil Trade Notes

Imports of linseed and olive oils continue heavy.

New catch cod oil is expected in the market within

a few weeks.

The Congoleum Co. has declared a quarterly dividend of \$1, payable July 15, on stock of record June 30.

The Midland Linseed Products Co., Minneapolis, has appointed Dowdy Bros., its Philadelphia agent succeeding E. R. Smead Co.

In spite of the fact that large soap interests have recently bought coconut oil, prices are still very weak and may decline contrary to expectations.

Damage of \$35,000 resulted from a fire, May 31, at the plant of the Glidden Co. of California, 123 Hooper st., San Francisco.

The low oil yield of menhaden of the present catch is tending to place the crude oil in a firm position. Lack of active buying interest so far has prevented advances.

The directors of the Certain-Teed Products Corp. have declared the usual quarterly dividends of 134% on the first and second preferred stocks, payable July 1 to holders of record June 20.

Increased duty placed on cottonseed oil by the Italian government last year has greatly hampered American trade in this commodity with Italy, where it has been largely used as a substitute for butter in cooking.

A concerted effort is on foot on the Pacific coast to have oriental vegetable oils imported through Pacific ports placed on the free list in the Fordney-McCumber tariff bill. The movement is fostered by the Seattle Chamber of Commerce.

Carl H. Haerle, connected with the Certain-teed Products Company, San Francisco, sailed recently on the steamer President Cleveland for Hongkong, China. Robert Fulton, of the importing and exporting firm of Robert Fulton & Co., Yokohama, Japan, was also a passenger on this steamer.

#### OLIVE OIL PRICES AT MARSEILLES

(Special Correspondence to DRUG & CHEMICAL MARKETS)
Marseilles, May 27.—Prices of olive of all grades
remain pratically unchanged. Quotations per 100 kilos
are:

|                                | France    |
|--------------------------------|-----------|
| Bouches du Rhone               | 450 a 475 |
| Var                            | 420 a 460 |
| Algerian, new                  | 400 a 410 |
| Levant                         | 365 a 380 |
| Algerian, commercial, purified | 319       |
| Corsican, commercial, purified | 190 a 200 |
| Pressed olive oil              | 210 a 220 |
| Oil from pulp and husks        | 160 a 180 |

#### FRENCH OIL PRICES FIRM

(Special Correspondence to DRUG & CHEMICAL MARKETS)
Marseilles, France, May 27.—The market for vegetable
oils is steady and prices are firm. Quotations on 100
kilos are: Sesame, 245 to 255 francs; peanut, 260 to
265 francs.

The market for oils for manufacture is firm and prices are well maintained. Quotations on 100 kilos are: Peanut, 230 francs; copra, 180 francs; palm, 180 francs;

linseed, 210 francs.

Edwin Williams, research chemist of Ricca Mon, England, was a visitor at San Francisco early in June, and has since sailed for Batavia on a business mission.

#### LICENSES FOR FOREIGN DYES

(Continued from page 1355)

| Schul      |  | Germany | Switzerland  |
|------------|--|---------|--------------|
|            | Washandar Frank Comm. V  | 100     |              |
|            | Napthogene Blue B  | 400     |              |
| 653        | Nile Blue B X  | . 200   |              |
| 145        | Napthagene Blue B. Nale Blue B X. Orange I I Extra Conc. Oxamine Black R X. Oxamine Light Blue G. Palatine Light Yellow R X. Paper Fast Bordeaux B.  | . 25    |              |
|            | Ovamine Light Blue C   | . 50    |              |
|            | Palatine Light Vellow R X  | . 10    |              |
| 118        | Paper Fast Bordeaux B  | . 300   |              |
| 606        | Patent Phosphine   |         | 3,025        |
| 606        | Patent Phosphine M. Patent Phosphine R.  | •       | 440<br>110   |
| 506        | Peacock Rive Lake  | 400     | 110          |
| 500        | Pegubrown G  | . 10    |              |
|            | Pegubrown R  | . 10    |              |
| 606        | Patent Phosphine K. Peacock Blue Lake. Pegubrown G. Pegubrown R. Phosphine G. Polar Orange R. Polar Orange R C. Polar Red B S (Blue Shade). Polar Red R Conc.  | . 100   | 1,000        |
|            | Polar Orange R   | •       | 110          |
|            | Polar Red B S (Blue Shade)   |         | 1,000        |
|            | Polar Red R Conc   |         | 110          |
|            | Polar Red R S  |         | 1,000        |
| 539        | Pure Rive Cone VII   | . 25    | 1,000        |
| 307        | Polar Red B S (Blue Shade). Polar Red R Conc Polar Red R S Polar Yellow 2 G Pure Blue Conc. VII Pyrazole Orange G Pyragone Blue Gone R   | . 23    | 2,800        |
| 746        | Pyrogene Blue Green B  |         | 1,980        |
| 726        | Pyrazole Orange G. Pyrogene Blue Green B. Pyrogene Cutch 2 G X. Pyrogene Direct Blue R L. Pyrogene Green 3 G. Rhodamine 3 B. Rhodamine 6 G D N Extra. Rhodamine 6 G H Conc. Rosanthrene Bordeaux R. Rosanthrene Bordeaux R.                    | •       | 220          |
| 726<br>709 | Pyrogene Green 3 G   | •       | 7,370        |
| 574        | Rhodamine 3 B.   |         | 556<br>1,760 |
| 576        | Rhodamine 3 G Extra  | . 230   | 2,000        |
| 571        | Rhodamine 6 G D N Extra  | . 820   |              |
| 571        | Posenthrone Pordenus P   |         | 2,860        |
|            | Rosanthrene Bordeaux B   |         | 770<br>792   |
|            | Rosanthrene Fast Bordeaux 2 B L  |         | 825          |
|            | Rosanthrene Fast Bordeaux 2 B L Rosanthrene Fast Red 7 B L Rosanthrene Orange R Rosinduline 2 B Bluish Rosinduline 2 B Bluish Rosinduline G F X Rosalane R Paste Saffranine T Extra Conc Salicine Bordeaux R F Salicine Orange 2 R Setocyanine |         | 770          |
| 673        | Rosanthrene Urange K   | 500     | 440          |
| 675        | Rosinduline G F X  | . 200   |              |
| 687        | Rosalane R Paste   | . 50    |              |
| 679        | Saffranine T Extra Conc  | . 25    |              |
|            | Salicine Bordeaux R F  | . 200   |              |
| 500        | Setocyanine  | . 100   | 220          |
| 500        | Setopaline   |         | 2,050        |
|            | Soluble Dive I N   | 20      | 4,000        |
| 361        | Sulphon Asurine D  | . 510   |              |
|            | Supramine Red 2 C  | . 100   |              |
|            | Supramine Yellow R   | . 5     |              |
| 618        | Sulphon Asurine D. Sulphon Yellow R Conc. Supramine Red 2 G. Supramine Yellow R. Thioflavine T. Thioflavine T C N. Thio Indigo Rose BN Extra Paste. Thio Indigo Rose RN Extra Paste. Thio Indigo Scarlet G Paste. Toluylene Red.               | - 500   |              |
| 618        | Thioflavine T C N  | . 200   |              |
| 910        | Thio Indigo Rose BN Extra Paste  | . 1,250 |              |
| 906        | Thio Indigo Scarlet G Paste  | 250     |              |
| 358        | Toluylene Red  | . 500   |              |
| 457<br>923 | Thio Indigo Scarlet G Paste. Toluylene Red. Trisulfon Brown GG. Ursol Gray A. Ursol Gray B. Ursol Gray 2 G. Vat Yellow R. Victoria Black B. Victoria Blue 4 R Conc. Victoria Brilliant Blue B. Wool Black G R F. Wool Fast Blue B L.           |         | 2,000        |
| 923        | Ursol Gray P.  | . 44    |              |
| 923        | Ursol Gray 2 G.  | . 44    |              |
|            | Vat Yellow R   | . 26    | 440          |
| 262        | Victoria Black B   | . 500   | 740          |
| 522<br>559 | Victoria Blue 4 R Conc   | . 100   |              |
| 220-B      | Wool Black G R F   | . 2,000 |              |
|            | Wool Fast Blue B L. Wool Fast Blue G L. Wool Violet S.   | . 1,076 |              |
| 50         | Wool Fast Blue G I   | FO.1    |              |
| 59<br>22   | Wool Violet S  | . 500   |              |
| 42         | Yellow Developer Z   | 500     | 2,000        |
|            | Zambesi Pure Blue 4 B.   | . 25    |              |
|            | Wool Violet S. Xylene Light Yellow 2 G. Yylene Developer Z. Zambesi Pure Blue 4 B. Madder Lake. Chlorantine Fast Red 7 B L.  | . 2,600 |              |
|            |  |         | 2,300        |
|            | Chlorantine Fast Blue 2 G L  |         | 8,734        |
|            |  | 158,302 | 248,115      |
|            |  | ,502    | ~ 70,113     |

NO APPROPRIATION FOR DYE SECTION

(Special to Drug & CHEMICAL MARKETS)

Washington, D. C., June 14.—F. S. Dickson, chief of the Dye and Chemical Control Section of the Treasury Department, is somewhat at sea in regard to the continuation of his section. Up to the present time he has been unable to get any appropriation for the continuance of the section after June 30, the end of the fiscal year.

Mr. Dickson has the matter up before the Budget Bureau of the government and an effort will be made to have the appropriation passed before the end of the fiscal year. If that fails, it is probable that the division will have to be continued as it was for a short time last year, when the officials of the division were placed on the Georgetown, D. C., Customs Honse

## The Crude Drug Market

#### Current Spot Quotations of Crude Drugs, Pages 1380-1381

#### QUIET MARKET FOR BOTANICAL DRUGS

Activity Confined Mostly to Small Orders and Not Sustained-Caraway, Fennel, and Poppy Seeds Higher -Arrowroot Strong-Rhubarb and Ipecac Easier-Balsam Peru Reduced

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Arrowroot, St. Vin., 2c lb. Guarana, 20c lb. Manna. Sml. Flk., 2c lb. Benzoin, Sumatra, 5c lb. Pichi Herb, 1c fb Pichi Herb, 1c tb. Caraway Seed, Dutch, 2c tb. Fennel Seed, Germ., 3c tb. Poppy Seed, Dutch, 2c tb. Sunflower Seed, Dom., ½c tb. Benzoin, Sumatra, Laurel Lvs., lc lb. Candelila Wax, 5c tb.

#### Declined

Ralsam Peru, 25c tb.
Elm Bark Sel., 1e tb.
Chamomile Flr., Roman, 5c tb.
Digitalis Leaves, 1c tb.
Peppers, Cherries, ½c tb.

#### Trend of the Market

|                           |        | Last   | Last   | Last  |
|---------------------------|--------|--------|--------|-------|
|                           | Today  | Week   | Month  | Year  |
| Aconite Root, U.S.P       | \$.21  | \$.21  | \$.22  | \$.25 |
| Buchu Leaves, Short       | .95    | .95    | .85    | 1.05  |
| Cantharides, Russian      | 5.00   | 5 00   | 3.50   | 2.00  |
| Cocculus Indicus          | .041/2 | .041/2 | .041/2 | .14   |
| Ergot, Spanish            |        | 1.05   | 1.00   | 1.00  |
| Insect Powder, pure       |        | .52    | .53    | .36   |
| Ipecac, Cartagena, powd   |        | 1 85   | 2.00   | 2.50  |
| Nux Vomica                | .05    | .06    | .06    | .14   |
| Opium, gum                | 6.00   | 6.00   | 6.00   | 5.50  |
| Rhubarb Root, H. D        | .55    | .60    | .65    | .30   |
| Tragacanth, No. 1, ribbon |        | 1.80   | 1.90   | 3.60  |
| Wild Cherry Bk. thin nat  |        | .09    | .09    | .10   |
|                           |        |        |        |       |

1.39 Prices for scarce items continue to climb upward. Other prices are not so well maintained owing to a tendency to shade here and there to pick off an order. Demand continues confined to small quantities and is very spotty, lack of sustained inquiry being the chief factor in keeping the market dull. Among the seeds, Dutch poppy, German fennel, and Dutch caraway are scarce and higher. St. Vincent's arrowroot is higher and in small supply here. Small flake manna is stronger. Guarana is up sharply. Balsam Peru is down again. Elm bark is weak. Ipecac and rhubarb are easier.

#### Crude Drugs

Arrowroot-St. Vincent's arrowroot powder is firmer and in small supply on spot at 10clb.

Balm Gilead Buds-Spot as to quality dull at 40c@45clb.

Cantharides-Russian powder spot in a small way only \$6.00lb. No whole available.

Ergot-Quiet and in small demand from consumers. Spot in one and two bag lots at \$1.05lb. Shipment indicated 85c c. i. f.

Guarana-Scarce and sharply higher spot at an inside of \$1.001b.

Manna-Small flake moving. Firmer spot at 52c @54clb. cases. Large flake quiet 85c spot.

Nux Vomica-U. S. P. powder barrels unchanged and soft 9clb. Buttons 6c@8clb. unchanged as to quantity.

Balsams-Peru balsam has been cut again, \$1.75lb. now being quoted. Tolu as imported 50c@55c; cleaned

#### Barks

Cotton Root-Continues soft at the recent reduction to 13c@14clb.

Elm-Selected elm reported sold during the week at 20clb. spot in competition. Weak with demand very slow. Some holders have withdrawn refusing to meet Grinding 11c, powdered and ground

Soap-Firm at the recent advance to 6clb. spot owing to reduced stocks.

#### Beans

Mexican vanilla beans nominal at \$10.00@\$15.00lb. for whole with little outside of odd parcels available. Bourbons unchanged, but strong at \$3.00@\$3.50lb. spot. St. John bread weak at 3c up.

#### Berries

Cubebs strong at 95c@\$1.00 ordinary, \$1.05@\$1.10 for XX, \$1.00@\$1.05 for powder. Fish berries quiet 41/2clb. \*spot. Junipers slightly easier bags spot 3½clb.

#### Flowers

Chamomile-Hungarian in steady demand and small supply spot. Price range from 28c@30clb. bags and cases as to seller. Romans cheaper 70clb. spot.

Insect-Powder easy and in small demand at 52clb. for pure in barrels. Range to 60clb. as to seller.

Saffron-Spanish spot 1 pound tins, \$27.00@\$28.00lb. unchanged. Quiet. American dull \$1.05@\$1.10lb.

#### Gums

Benzoin, Sumatra, very scarce spot, 65c inside. Acacia amber sorts firmer 12c@121/2clb, Asafetida powder cases 50clb. Curacao aloes easy 6c@61/2clb.

## Leaves and Herbs

Buchu-Much firmer and inside for bales at 95c, some holders quoting \$1.00lb. spot. Spot stocks are low. Less bale lots from \$1.00 up. Demand has been more active of late. Shipment reported 3s 7d c. i. f.

Cannabis-True easier spot \$5.75@\$6.001b. U. S. P. American 30c@35clb. unchanged.

Digitalis-Cheaper on spot in competition at 7c@71/2c.

Laurel-Scarce and firmer, inside now at 6clb. spot. Roots

Hellebore-White powder firmer and in good demand at 15clb. in barrels.

Ipecac-Whole ipecac slightly easier at \$1.50lb. spot cases for both Cartagena and Rio goods. Powdered unchanged at \$1.85@\$2.00lb. as to quantity and seller.

Licorice-Natural bales stronger. Named 61/2c spot for good quality, range to 7clb. Powder 83/4c@91/2c.

Rhubarb-Easier spot with demand slow. cases 55c; powdered 60clb.

Senega-Unchanged 90c@\$1.00lb. spot. Up to \$1.15 heard quoted.

Seeds, Spices, etc. Caraway-Dutch in small supply and much firmer at 121/2 clb. inside spot.

Colchicum-Easier spot 12c@13clb.

Fennel-German has moved up sharply to 15clb. inside. French 11c@12c.

Poppy-Higher on spot at 16c@17clb. for Dutch.

John H. Snively, for many years connected with the "Druggists' Circular," as editor and editor emeritus, died recently at his home in Brooklyn, aged eighty-two.

#### Crude Drug Notes

A sharp rise in the cost of coca leaves is indicated as responsible for the advance in cocaine muriate made by a leading factor this week.

S. B. Penick, president of S. B. Penick & Co., New York, crude drug millers, has been elected to the executive committee of the American Drug Manufacturers' Assn. for another year.

The National Formulary IV is being offered for sale by the Midland Publishing Co., Columbus, Ohio, at \$2.50 a copy. This company is acting as agents for the American Pharmaceutical Association.

Opinions on the crude drug market generally agree that spot stocks, taken as a whole, are small enough to cause a marked upward movement in prices if demand were sufficiently large and sustained.

Many members of the New York medicinal chemical and crude drug houses are in Bedford Springs, Penna, this week, attending the annual meeting of the American Pharmaceutical Manufacturers' Assn.

The Ghinelli Chemical House, a branch of the company of that name, at Naples, Italy, specializing in proprietary medicines, has opened for business at Allentown, Pa. C. Berardino is manager.

The stockholders of the Calvert Drug Co., engaged in the co-operative wholesale drug business at Baltimore, tendered a testimonial banquet to the directors at the Emerson Hotel on June 8.

Fire in the store of Brewer & Co., wholesale druggists, Portland. Me., on June 10, caused damage of \$125,000 to building and stock. An explosion of iodine is said to have caused the fire. The building is located on Commercial street.

The Drug and Chemical Section of the New York Board of Trade and Transportation recently approved a recommendation of its Legislative Committee that an effort be made to secure modifying amendments to the recently enacted law restricting foreign trade in narcotics.

The report of the National Drug & Chemical Co. of Canada, wholesale drugs, for the year ended Jan. 31, 1922, shows, after paying all trade expenses, salaries to directors and officers, providing for bad debts as well as dividends, a balance of \$97,582 equal to £20,051. The net profit was \$210,973 (£43,350).

W. R. Grace & Co. have obtained a ruling from the Board of United States General Appraisers sustaining a claim that the collector assessed duty upon a greater quantity of olive oil than was actually dutiable. Part of the shipment being denatured, it should have been permitted free entry, Judge Hay rules.

The Prohibition Commissioner announces that wholesale druggists having stocks of wines purchased for medicinal purposes prior to the enactment of the Willis-Campbell Act amending the Volstead Act, may dispose of present supplies for sacramental purposes, but may not thereafter procure wines for sale for such uses. The order does not permit the sale of champagne for sacramental purposes or religious rites.

A large tank of boiling soap exploded June 9, on the seventh floor of the American Druggist Syndicate Building, at Borden and Van Alst avenues, Long Island City, burning the two men in charge of it and frightening the 600 employees, most of them women. The cause of the explosion has not been ascertained. It started the sprinkler system which kept the fire under control until the firement got there. The damage is estimated at \$2,000.

#### ALKALI TRADE WAR IN JAPAN

(Special Correspondence to DRUG & CHEMICAL MARKETS) Tokyo, Japan, May 12.—Importers of foreign-made soda ash and Japanese alkali and soda ash manufacturers have been engaged in a trade war and a petition has been filed by the Japanese asking for higher tariff rates on alkali products as protection to Japan's industry. Local manufacturers allege that without this protection Japanese industry is in danger of extermination.

The petition was recently placed in the hands of a special commission which is drafting a tariff reform bill to be presented at the next Diet session. Japanese manufacturers ask that the import duty be raised to yen 1.20 per picul. The present rate is 35 sen per picul. The petition states that sufficient amount of soda ash can be produced here to satisfy all demands.

Importers contest the argument of the Japanese manufacturers saying that Japanese manufacturers cannot possibly supply more than one-third the demand for Japan. They say that the total demand exceeds 60 tons a day while the maximum production of Japanese factories is not more than 20 tons. They threaten that in case higher duties are imposed they can reduce prices to the point where Japanese manufacturers will be forced to quit entirely.

#### TO FIND NEW USES FOR COTTONSEED OIL

New Orleans, La., June 14.—The Cottonseed Crushers Association took steps at its convention held here last week, to find new uses for cotton oil in order to keep the mills more fully employed. The attendance at the convention was about 1,000, and included dealers in the crude oil, refiners, chemists, brokers, producers and manufacturers of the various products. In their campaign they are urging the farmer to raise better cotton and of a grade that produces a larger amount of oil with a larger content value.

By the work which the association is planning it is the belief of the executive committee that the crops of the Southern farmers will be increased in value from \$250,000,000 to \$500,000,000.

"It is absolutely a crime to use one pound of cottonseed meal as fertilizer when as a feed both for man and beast it is worth more than twice as much," said Louis Goldert, editor of "The Cotton Oil Press," "and it is our aim to educate the people of the country in the feed value of cottonseed products."

#### SELLING ALCOHOL WITHOUT PERMIT

The Federal Drug Co., of Newark, N. J., has been drawn into the hearing relative to the revocation of the license of the New Jersey Wholesale Drug Co., 56 Arlington street, whose alcoholic stock, valued at \$500,000, was seized recently by prohibition agents. Dr. Llewellyn Jordan of the legal unit of the prohibition department in Washington, said that while the Federal Drug Co. never had a permit to obtain alcohol, it has been cited to be represented at the hearing because of reports received by federal agents that it solicited orders for whiskey in possession of the other concern and because some of its members have an interest in the other company.

## RESTRICTING SODA OUTPUT IN JAPAN (Special Correspondence of Drug Trade Weekly)

Tokyo, Japan, May 17.—The Japanese Soda and Bleaching Powder Manufacturers' Association has decided to maintain 65 per cent restriction upon member manufacturers' output in June on the ground that the market for soda and bleaching powder is unfavorable, and that the stock on hand is too heavy for the season. This action was taken by the association at a capture and the stock of the season at a capture of the season.

## The Essential Oil Market

#### Current Spot Quotations of Essential Oils and Aromatic Chemicals, Pages 1383-1384

#### OIL CASSIA HIGHER IN DULL MARKET

Spot Stocks Small and Shipment Position Up—Essential Oil Demand Generally Routine—Bergamot Weak—Wormseed Cut Again—Some Holders Drop Cedar Leaf on Better Offers from Country

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Oil Linaloe, Mex., 10c tb. Oil Cassia, U.S.P., 5c tb. Declined

Oil Bergamot, 10c tb. Oil Cedar Leaf, 10c tb. Oil Wormseed, 15c tb.

#### Trend of the Market

|                         | Today  | Last<br>Week | . Last<br>Month | Last<br>Year |
|-------------------------|--------|--------------|-----------------|--------------|
| Oil Bergamot            | \$4.25 | \$4.35       | \$4.50          | \$5.75       |
| Oil Citronella, Ceylon  |        | .53          | .53             | 32           |
| Oil Cloves              | 1.95   | 1.95         | 2.00            | 1.30         |
| Oil Lemon               | .75    | .75          | .75             | .70          |
| Oil Peppermint, Natural | 1.85   | 1.85         | 1.75            | 2.40         |
| Oil Sandalwood, E. I    | 7.10   | 7.10         | 7.10            | 7.00         |
| Oil Sassafras, Artif    | .45    | .45          | .45             | .57          |
| Benzaldehyde, U.S.P     | 1.40   | 1.40         | 1:40            | 1.50         |
| Coumarin                | 3.00   | 3.00         | 3.00            | 4.75         |
| Methyl Salicylate, Cans | .35    | .35          | .35             | .35          |
| Vanillin                | .50    | .50          | .50             | .50          |
| Average                 | 2.07   | 2.08         | 2.09            | 2.28         |

A quiet uninteresting market with little noted outside of routine channels has been reported by the essential oil trade during the week. On a few seasonal items, demand has been quite brisk in some quarters, but as a general rule, small routine business only has gone through. Prices show few changes, with values as a group fairly well maintained. Bergamot, cedar leaf, and wormseed oils are easier. Peppermint, Mexican linaloe, U. S. P. çassia, and anise are firmer.

#### Essential Oils

Oil Almond—Sweet almond oil continues easy, but unchanged spot at 48c@55clb. as to brand and seller. Bitter, U. S. P., \$4.75 ranging to \$6.00 for sans prussic acid.

Oil Anise—Very firm and closely held spot. Prices steady, 50c@55clb. spot cans, oil as imported, U. S. P. at 60c@65clb.

Oil Bergamot—Still sliding off under pressure of competition and lack of demand. Spot prices standard goods in coppers slightly lower at \$4.25lb, ranging to \$4.75.

Oil Cajuput—Firm feature with small stocks closely held on spot. Native oil 75clb. U. S. P., 85clb.

Oil Caraway—Still heard spot at \$2.25lb. rectified oil. Seed prices climbing.

Oil Cassia—U. S. P. is much firmer and strongly held, Spot stocks are none too large and demand is good. Best inside now \$1.80lb. for redistilled goods. No technical oil available on spot. Shipment prices higher at \$1.02 c. i. f. from Shanghai.

Oil Cedar Leaf—Holders of 85c stocks have moved down to 75clb. during the week owing to freer and cheaper offers from the country. Spot good quality oil now stands at 75c@78clb. cans. Demand is very dull.

Oil Cinnamon-Anything from \$12.00lb. up to \$18.00

is named here for heavy Ceylon oil as to quality and seller.

Oil Citronella—Firmly held on spot without change at 53clb. for 1000 pound drums Ceylon oil. Cans at 54c@55clb. Demand is routine only, but supplies are not large. Java oil at 75c in a small way.

Oil Cloves—Soft, but unchanged at \$1.95@\$2.00lb. for cans on spot. Some distilleries are holding out for higher prices, but lack of demand and pressure on values indicates weakness. Bottles at \$2.00@\$2.10.

Oil Eucalyptus—U. S. P. Australian oil on spot unchanged and weak at 35clb. in cases. Drum prices in the trade are understood to be under this level. Case prices range up to 37c in some cases.

Oil Hemlock—Although new stocks are said to be near by, prices are strong and well held at \$1.25lb. on snot.

Oil Juniper Berries—Lower shipment prices on juniper oil tend to depress the spot. U. S. P. goods held here at \$1.20lb., possibly less on firm business, as noted last week.

Oil Lavender—U. S. P. oil flowers at \$3.00lb. ranging to \$4.50 for better quality, high test material. Spike average fair 80c@90clb. spot.

Oil Lemon—Dull with demand confined to small proportions here. Stocks are heavy and pressure on prices tends to soften position, but openly named figures show no change from 75c in coppers. Range to 85c as to brand and seller. Shipment Sicily 65c c. i. f.

Oil Limes—Leading sellers are asking \$3.15 for expressed oil, although \$3.00 goods can probably be found on spot. Firm, stocks small and well held. Distilled oil 55c@60clb.

Oil Linaloe—In some quarters, firmer prices are asked. Good quality Mexican oil on spot is now reported inside at \$2.50lb.

Oil Orange—Sweet West Indian oil firm and unchanged at \$2.55@\$2.60lb. spot cases. Sicilian quiet \$3.10@\$3.25lb. Californian \$3.25lb. spot. Firm and well supported.

Oil Peppermint—Prices tend to move up on bullish pressure from the country. Some shippers are reported naming \$1.97 f. o. b. country. Spot still \$1.85 up to \$1.951b. for natural oil in cases. U. S. P. goods at \$2.15@\$2.25. Export demand has been active of late. New crop oil will begin to be a factor within a month or so. What is the basis for higher prices in the country at this time is difficult to see.

Oil Wormseed—Selling pressure and competition continues to take its toll in values. Lower spot \$2.60 @\$2.75lb.

Aromatic Chemicals

Benzaldehyde—Firm. Schedule prices steady at \$1.40. U. S. P., \$1.60lb, f. f. c.

Methyl Salicylate—Easier on freer resale offers spot. Cans 33c@34clb. Manufacturers 35c inside.

Vanillin—Quiet and in routine demand. Prices inside 48c outside hands, 50c ounce makers.

An essential oil section has been created by the American Drug Manufacturers Association which will be open for membership to all American houses actually distilling in their own plants.

#### Essential Oil Notes

Fritzsche Bros., New York, essential oil importers, have issued a new price list under date of June, 1922.

At present prices, it is indicated that oil eucalyptus cannot be produced and shipped from Australia at a profit.

Of the Messina essences, orange oil appears to be the only one which can consistently hold up its end for any length of time.

The president of a well-known essential oil house has postponed his sailing abroad owing to a delay in the arrival of a new set of false teeth from the dentists.

Shipment prices for oil juniper berries are reported at figures which approximate one-half of the prices now quoted for spot goods.

Oil cassia values appear to be pointing upward. With shipment prices for technical oil much higher in China and practically nothing available here for redistillation, predictions that U. S. P. oil in New York will ride over the two dollar mark seem well founded.

The recent purchase of a large plot of ground in New York by Rigaud, perfumer, creator of the Mary Garden line, may be the forerunner of an expansion of the Rigaud business. Rigaud is owned by E. Fougera & Co., New York importers of pharmaceutical specialties.

Perfumery, Soap and Allied Industries Ass'n of New York will hold its final meeting of the year on Wednesday evening, June 21, at the Hotel Brevoort. Ladies will be present at this meeting. Gilbert Colgate, president of the Manufacturing Perfumers Ass'n will be the guest of honor. Among the speakers will be Robert King, Rufus Wilson, and George Silver, the latter of Bertrand Fils, who will discuss the embargo question from a new angle.

#### ESSENTIAL OILS SCARCE IN FRANCE

Marseilles, June 3.—The essential oil market is very quiet. The important products are scarce and prices tend to advance. Quotations per kilo are:

| d to data.  |         |        |       |         | Francs |
|-------------|---------|--------|-------|---------|--------|
| Aniseed,    | Tonka   |        |       |         | 13     |
| Aniseed,    | Chinese |        |       |         | 13     |
| Rosewood    |         |        |       |         | 65     |
| Cananga,    | Java    |        |       |         | 32     |
| Citronella, | Java    | and    | Ceylo | on      | M      |
| Geranium,   | Bourb   | on     |       |         | 108    |
| Clove       |         |        |       |         | 60     |
| Palmarosa   |         |        |       | ,       | 85     |
| Patchouli   |         |        |       |         | 230    |
| Petit grai  | n       |        |       |         | 50     |
| Sandalwoo   | rd      |        |       |         | 150    |
| Gingergra   | SS      |        |       |         | 38     |
| Vetivert    | Bourbon | 1      |       |         | 120    |
| Ylang Yla   | ng Bour | bon, 1 | st qu | ality   | 125    |
| Ylang Yla   | ang Bou | rbon   | 2nd o | quality | 70     |

Vice Chancellor Backes in Newark has appointed Edward Maxson of Summit, N. J., a Manhattan attorney, receiver for the American Synthetic Dye Company, which formerly owned a plant on the meadows. The application was made by Donald McKellar of New York City, who is seeking to collect a judgment of \$33,316.10 for commissions on Russian contracts during the war. McKellar says the American Synthetic Dye Company transferred its property to the Butterworth-Judson Corp., which went into the hands of a Federal receiver three months ago.

#### Business Brevities

Judgment for \$28,780 against the Chemical Works Lignum has been filed in New York County by A. Hollander.

James C. Bruce, who began his business career with Edward Hill's Son & Co., and remained with them all his life, died on June 1 at his home in Montclair, N. J.

The present management of the American Smelting and Refining Co. has obtained sufficient proxies to control future meetings of the concern according to a letter addressed to the shareholders by C. A. de Saulles, a member of the Executive Committee.

Secretary Hughes expressed satisfaction over the suggestion of the German government that the mixed claims commission to adjudicate financial claims of Americans against Germany arising out of the war be composed of two Americans as against one German.

- P. J. Donohue, export manager for E. R. Squibb & Son, manufacturing chemists, New York, has severed his connection with the firm after seventeen years of service, to go into business for himself as an expert agent. His friends presented him with a gold watch at a dinner held on June 6.
- J. R. Munoz. vice-president of the Cosmopolitan Shipping Co., says that the line has failed in its efforts to get part of the movement of 200,000 tons of Alsatian potash to the United States because the French government had directed that all the shipments must be made in French vessels. This has created a monopoly, Mr. Munoz said, which American companies cannot overcome.

The Oil Trade Association of New York elected five new members at the Board of Directors meeting last week as follows:—George W. Knapp. of Paterson, Boardman & Knapp: Charles S. Derham, of Derham Bros.; George I., Hall; A. Horowitz, of Trades Oil Products, Inc., Newark; and Fred M. Chapman of Marden-Wild Corp., Boston. On Sports Day, June 15, the members and guests will meet at 17 Battery Place, at ten A.M., and proceed by autos to the N. Y. Athletic Club's Travers Island Club House, for an outing.

The midyear meeting of the Executive Committee of the National Paint. Oil and Varnish Association was held at the office of the secretary, George V. Horgan, on June 9. The Membership Committee announced forty-seven new members in local paint clubs. The following committees reported:—Statistical, Paint Trade Mutual, Naval Stores, Trade Mark, Transportation and Classification, "Clean-Up and Paint-Up." "Save the Surface," Allied Industries, Arbitration, Tariff, Special Committee on Permanent Packages, Credits and Collections.

George H. Fearons, Jr., individually and as a member of the firm of Phelan, Borland & Fearons, importers and exporters, at 11-19 Moore Street, filed a petition in bankruptcy yesterday, listing liabilities of \$894,001 and assets of \$195,450, main items of which are unliquidated claims, \$158,703; accounts, \$21,852; stock, \$12,704. Judge Knox appointed Roger B. Wood receiver, under \$10,000 bond. Principal creditors listed are the Equitable Trust Company, \$190,000, partly secured; Ed. Maurer & Co., \$100,000 (approximate); George H. Fearons, Sr., \$113,000; Raw Products Company, \$36,960; Pacific Trading Company, \$25,536; Stein, Hall & Co., \$23,000 (approximate); L. Littlejohn & Co., \$36,000.

## The Consuming Industries

#### FIELD FOR AMERICAN DYES IN BELGIUM

Spinning and Weaving Industry at Verviers Will Substitute Indigo or Chrome Blue for Alizarin Red Heretofore Used for Car Upholstery-Opportunity Also to Sell Chromed Black,

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., June 14.-The Department of Commerce is in receipt of a report from the Acting Commercial Attache at Brussels, regarding the importance of the Belgian woolen industry as a dye market. "The woolen spinning and weaving industry at Verviers may be considered as producing between twothirds and three-fourths of its pre-war output, and it's factories turn out cheviots, serges, gabardines, felts, novelties, uniform cloth, billiard cloth (about eighttenths of the world's production), and upholstery fabrics. The value of the total output in manufactured products may be estimated at 500,000,000 francs. A considerable proportion of the necessary dyeing is done in Verviers itself, which probably accounts for fully half of the dye consumption in Belgium; this market until the war was entirely dominated by German dye producers, with representatives on the ground.

"The predominance of German sales was favored by the Belgian official requirement that uniform cloth for the public services should be dyed with synthetic alizarins or indigo. It is now reported that it is intended to modify this requirement, so that chromed colors will probably be authorized. Khaki for the army may thus also be made partly from ecru and partly from dyed yarn, using for the latter chromed brown, yellow, and blue black. Swiss colors are also available for this purpose. The substitution for the alizarin red used for car upholstery of an indigo or chromed blue will also open the field for American products in this line.

"According to a writer in the 'Bulletin des Chambres de Commerce Françaises de Belgique,' of 8,000,000 kilos of dyed wool yarns, rags and piece goods produced annually in Verviers, 50 per cent. of the production of combed wool (3,000,000 kilos) is dyed black, chromed black alone being used. The principal article of consumption is the Badische Anilin palatine chromed black, costing about 18 francs per kilo, though American producers also have a share in this market. The total value of black dyes used approximates 3,750,000 francs, covering a quantity of 1,500,000 kilos. the other 1,500,000 kilos of yarn dyed in chromed or indigo blue, yellow, red, brown, and green, 45,000 kilos of coloring matter are consumed, valued at 1,800,000 francs.

"Of carded yarns, produced at the rate of 2,200,000 kilograms annually, the same proportion of black and colors prevails. The half of this output turned out in blacks uses about 90,000 kilos of blacks annually, valued at 2,225,000 francs. Colored products consume approximately 30,000 kilograms of dyes with a value of 1,320,000 francs. The production of dyed piece goods may be estimated at 5,000,000 meters or 2,000,000 kilos annually, of which 70 per cent. are black or blue and the balance modish colors. Acid blacks of Swiss. French and German origin are mainly employed. It requires 60,000 kilos of acid black, valued at 1,800,000 francs, to dye 2,500,000 meters of fabric. The consumption of colors other than black amounts to 40,000 kilograms, with an estimated value of 600,000 francs. Rags are mainly dyed black or navy blue; the annual consumption of the former is 24,000 kilos, valued at 720,000 francs, and of the latter 16,000 kilos, valued at 640,000 francs.

"The total annual consumption of dvestuffs at Verviers is thus approximately 455,000 kilograms, with a value of 13,865,000 francs. Dyestuffs enter Belgium free of duty. Apart from American firms represented in Europe, the principal European suppliers have been the Societe National des Matieres Colorantes (French), Badische Anilin und Soda Fabrik, Meister Lucius, Cassella, the Industrie Chimique de Bale, Bayer, and A. C. F. (Berlin)."

#### New Consuming Companies

Kor-Nof Mfg. Co., Dover, Del., capital \$100,000. Proprietary remedies. Incorporated by the Capital Trust Co. of Delaware. Myers-Lehman Co., New York, capital \$30,000. Paints and oils. A. and E. Lehman, H. F. Myers, Attorney, H. Kutscher, 50 Broad st, Standard Match Corp., incorporated in Delaware, capital 20,000 shares preferred stock, \$10 each, 30,000 shares common stock, no par value. Representative, K. H. Clapp, 277 Broadway. Columbia Ribbon and Carbon Mfg. Co., New York, capital \$400,000. Typewriter ribbons, and textiles. L. M. Dixon, A. B. Holmes, Attorney, E. R. Mead, 30 Church st. Soock & Kade, New York, capital \$125,000. Drugs. M. Kade, F. E. Loes, E. I. Crittenden. Attorney, H. Hoelljes, 95 Madison ave.

ave. Cypress Hills Laundry, Brooklyn, capital \$50,000. F. C. Brown, L. R. and C. E. Ream. Attorney, F. R. Mielke, 40 Union Square, New York.

New York. E. Ream, Attorney, F. R. Mielke, 40 Union Square, Harry Levidon, New York, capital \$20,000. Druggist. H. and A. and M. Levidon. Attorney, B. J. Levy, 45 W. 113th st. Second College Drug Store, New York, capital \$40,000. F. Weinberger, I. Belinky, S. Matzner. Attorney, L. Weinberger, 1457 Broadway.
Hall & Carey Weaving and Belting Co., Lockport, N. Y. T. A. Hall, E. W. Carey. Attorney, D. Tice, Lockport.
Aero Rubber Products Corp., Kingston, N. Y., capital \$150,000. I. R. Davies, J. P. and I. Todd. Attorney, B. E. Reardon, Yonkers, Reiber-Ziegler Corp., Queens Borough, New York City, capital \$20,000. Paints and chemicals. S. A. and M. Reiber, E. D. Ziegler. Attorney, L. Levy, 277 Broadway, Glenwood Products Co., Wilmington, Del., capital \$200,000. Non-alcoholic beverages. Incorporated by the Corporation Trust Co. of America.

Anti-Rust Coating Co., Wilmington, Del., capital \$50,000. To manufacture paints. Incorporated by the Corporation Trust Co. of

America.
Lunapol Polish Co., Baltimore, capital \$20,000. To manufacture polishes. W. Arthur Darby, F. Stanley Porter, Theodore C. Waters. Stewart Dyering Co., Salamanca, N. Y., capital \$100,000. R. P. Stewart, A. and H. G. Ashworth. Attorneys, Mott & Ottaway, Jamestown, N. Y. Schwartz Drug Co., East Orange, N. J., capital \$100,000. Samuel Schwartz, Ida I. Schwartz, Sylvia Schwartz, Newark.
Paper and Pulp Products Co., New Haven, Conn., capital \$100,000. Grant Hammond. E. M. Sime, A. W. Chambers, 315 Exchange Building New Haven.

Building, New Haven, Sime, A. W. Chambers, J. Exchange Building, New How York, capital \$20,000. M. Bigay, J. B. Decastro, J. Dejesus. Attorney, N. Permut, & Duane st.

With the possibility of a short crop, due to unfavorable weather conditions, raw jute prices in Calcutta have risen 621/2 per cent in the last six weeks, says Consul General Weddell, Calcutta, in a cablegram to the Department of Commerce. Burlap prices have also advanced of late, and probably will continue to rise. The market is active with considerable speculative operations, although it is the general belief that the mills have sufficient raw jute available for this year's

Strikers of the Lonsdale Mills, Pawtucket, R. I., voted unanimously on Saturday to continue their struggles for a forty-eight hour week with no reduction of wages. The vote came after long consideration of a proposition made by former Governor L. C. F. Garvin that a settlement of the strike in the Lonsdale, Berkeley and Ashton mills be effected on the compromise basis of a forty-eight hour week and a 10 per cent wage cut.

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#### SUMATRA'S RUBBER TRADE WITH U. S.

During 1921 the United States received 38 per cent. of the rubber produced in the Sumatra East Coast, writes Consul C. O. Sparner, from Medan. This is nearly three times the quantity received by any other country, except the Straits Settlements, which acts merely as a transshipper of the product. The total 1921 rubber shipments from the Sumatra East Coast, according to returns furnished by the Medan Chamber of Commerce, were divided among the various countries as follows:

| s as follows:     |            |
|-------------------|------------|
|                   | Kilos.     |
| United States     | 13,759,283 |
| Great Britain     | 4,869,860  |
| Netherlands       | 3,873,632  |
| Penang            | 661,519    |
| Singapore         | 10,442,093 |
| Netherlands India | 58,075     |
| Benkalis          | 3,612      |
| Germany           | 143,679    |
| Australia         | 152,365    |
| France            | 25,430     |
| Belgium           | 140,668    |
| Malacca           | 3,300      |
| Total             | 34,133,516 |

Declared export returns of the Medan consulate show that 36,131,473 pounds of rubber, worth \$6,416,964, were exported to the United States in 1921. The difference between this figure and the 13,759,283 kilos (30,270,422 pounds) shown by the statistics of the Medan Chamber of Commerce may be accounted for by the fact that some of the rubber shown in the figures of the Chamber of Commerce as having been exported to Singapore and Penang was later transshipped to the United States.

#### ENGLAND BUYS AMERICAN LEATHER

The most important market for American exports of goat and kid upper leather during April was the United Kingdom, according to a survey by the Hide and Leather Division of the Department of Commerce. The United Kingdom took 1,694,554 square feet. Germany bought 268,405 square feet; France, 219,005 square feet; Canada, 212,527 square feet, and the rest was widely distributed in relatively small quantities.

The United Kingdom was also a leading market for sole leather, taking 600,930 pounds. Japan purchased 211,752 pounds of this leather; China, 54,079 pounds; Norway, 28,247 pounds; Newfoundland and Labrador, 25,644 pounds; and Canada, 15,490 pounds. exports for April, 1922, to Greece, Norway, Sweden, United Kingdom, Newfoundland and Labrador, Cuba, China, Philippines and New Zealand, increased over those of April, 1921, while those to Canada and Japan showed a marked decline.

Total imports of leather and tanned skins during April were valued at \$786,951, a decline from the March imports, valued at \$1,067,867. This figure is also lower than the value of the imports for January and February. The only item that registered an increase was goatskins tanned, which amounted to 28,926 pounds, valued at \$39,078, as compared with 20,576 pounds, valued at \$22,460 for March.

The Norwalk Hosiery Co., Norwalk, Conn., has been organized with authorized capital of \$50,000, by Harry Quicks, Robert M. Tenny, and Thomas C. Cavanaugh.

#### Trade Tips for Sellers

The Vulcweld Rubber Co., Limerick, Pa., will build a plant for the manufacture of tires.

The Oliver Chemical Co., Penticton, B. C., will make spraying compounds. John Oliver, Premier of British Columbia, is president.

The Firestone Tire & Rubber Co., of Akron, O., will build a plant at Hamilton, Canada, with capacity for 3,500 tires per day.

The Santa Fe Salt Co., Waynoka, Okla., will build a plant with a capacity of 200 tons of salt per day. P. L. Clifton, Pomeroy, Ohio, is president.

The Loray plant of the Jenckes Spinning Co., at Gastonia, N. C., will add between 30,000 and 40,000 spindles to their present equipment.

The Lancashire (England) cotton manufacturers have reduced wages 16 per cent, and the employees have agreed to accept a further cut of 4 per cent in six months.

Edward D. Newman, 29 Broadway, New York, is forming a company to take over the plant of the Zee Zee Rubber Co., at Yardville, N. J., recently bought from the receiver for \$58,000.

The Charleston Paper Mfg, Co., Nitro, W. Va., has bought ten acres of land with building, which will be remodelled at an expense of \$300,000 including equipment.

Charlotte, N. C., is to be the headquarters of a new cotton mill company, which proposes to build and operate a chain of mills having a total equipment of 1,000,000 spindles.

Business of V. Vivaudou, Inc., is running 50 per cent ahead of last year, according to a director of the company. The management is reducing the notes payable, which are now under \$300,000, compared with \$800,000 last year. The current year is expected to show about \$3 a share earned on the stock.

At the convention of the Southern Textile Association, held at Wilmington, N. C., president Johnstone said that in May 65 per cent of the cotton manufactured in the United States was spun in the cotton growing States of the South, against 35 per cent for all other States of the Union. He also predicted that in a few years the textile industry of the South will have surpassed even the New England district.

Work has begun at Los Angeles, Cal., remodeling the former Mathie brewing plant at 1834 North Main street, which is to be converted into a modern textile mill for the Imperial Cotton Mills Company, at cost of \$1,000,000. The factory will be the first one of its kind on the Pacific Coast and will employ at the start from 600 to 800 men, with monthly pay roll approximately \$60,000. It will have a capacity of 20,000 spindles with an annual output of 16,000,000 yards.

The Great Northern Canning Co., of Clare, Mich., has made application to the Michigan Securities Commission to sell \$100,000 of its capital stock. The company was organized by Clare County farmers and Detroit business men engaged in the wholesale and canning business. Ten per cent of the stock has been subscribed by the Detroit men interested, while the farmers in the vicinity of the town of Clare will take the remaining stock. Clarence Fields, Detroit, is president of the corporation, and Leonard Chaney, Dayton, a wholesaler, secretary-treasurer. J. H. Read, Detroit, will manage the plant.

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## The Foreign Markets

Imports of Drugs, Chemicals, Dyestuffs, etc., Page 1385

#### QUININE AND STRYCHNINE LOWER

Adyances Announced on Citric Acid, Morphine and Rochelle Salts—Codeine, Cream Tartar, Menthol, and Tartaric Acid Firmer—Trading in General Is Slow on The London Market

(Special Cable to DRUG & CHEMICAL MARKETS)

London, June 14.—Business in drugs and fine chemicals is slow, this week. Prices have advanced, however, on citric acid, morphine and Rochelle salts. A firmer market is apparent on codeine, cream tartar, menthol and tartaric acid.

Apiol, bleaching powder, cadmium, and star anise

oil are easier.

Lower prices are announced for cantharides, quinine, and strychnine.

London, June 3 (By Mail).-The markets have shown a little more activity, although purchases are not as yet on a large scale. Weather conditions have caused better demand for summer articles, while cod liver oil and similar products have for the present lost their interest. Agar Agar is dull and easier. Good No. 1 Kobe is 4s 2d per lb.; No. 2, 3s 10d, and No. 3, 3s 3d per lb. Bromides continue very firm, and business in them is good at the higher prices, viz., Ammonium, 1s per lb.; Potassium, 10d per lb., and Sodium, 11d per lb. Citrates-Makers have reduced ferri ammon cit by 5d per lb., now quoting 2s 7d to 2s 8d, according to quantity. Potassium Citrate is 2d per lb. lower, at 2s 6d to 2s 7d, and Sodium Citrate, 2s 3d to 2s 4d per lb., as to quantity. Citric acid is in brisk demand, owing to the hot weather, and the price is firmer, at 2s 4d per 1b.

Coriander seeds are decidedly firmer on spot, the reports from Morocco indicating no crop. Sound are being offered at 35s to 40s per cwt., according to sample. Ipecacuanha has materially advanced, being very scarce. Matto Grosso cannot be bought under 6s 6d per pound, and for Cartagena 8s 3d per Ib. is now

asked.

Menthol is quiet and easier, there being sellers of Kobayashi and/or Suzuki at 22s 6d per lb. on spot.

Mercury—There has been a considerable advance m both Spanish and Italian, stocks being reported much smaller than a week ago. The rise is fully 15s per bottle, and is expected to go further, so the makers of mercurials delay for the present issuing their revised prices.

Olive oil—Finest French edible oil has been advanced about 15 per cent, 10s to 10s 6d per gallon being

now wanted, and the demand is good.

Shellac has again been quiet this week, and prices

are about 5s per cwt. easier, usual standard T. N.

Orange being quoted at 355s.

Tartaric acid, with improved demand, has a much firmer tendency, at 1s 4d per lb. for Crystals and

1s 41/2d for Powder.

Vanillin is a little easier, pure crystals now offering at 37s per lb. on spot.

Less than 40,000 workless men and women are drawing unemployment pensions in Germany. Greater Berlin leads with 1,900, the majority of whom are unskilled laborers, apprentices, or domestic servants. Less than 1,400 iron and steel workers are without jobs, while the textile industry is absorbing all available labor.

| FOREIGN EXCHANGE                   | Par Cu     | rrent |
|------------------------------------|------------|-------|
| Great Britain (pound sterling)     | 84.886 \$4 | 1.48% |
| France (franc)                     | .193       | .088  |
| Italy (lira)                       | .193       | .050  |
| Germany (mark) per hundred         | 23.80      | .312  |
| Czechoslovakia (crown) per hundred | 20.30      | 1.925 |
| Austria (crown) per hundred        | 20.30      | .010  |
| Poland (mark) per hundred          | 23.80      | .025  |
| Japan (yen)                        | :499       | .476  |
| Spain (peseta)                     |            | .157  |
| Holland (guilder)                  |            | .390  |
| Belgium (franc)                    |            | .082  |
| Norway (crown)                     |            | .175  |
| Switzerland (franc)                | .193       | .191  |
| Sweden (crown)                     |            | .260  |
| Denmark (crown)                    |            | .219  |
| Argentina (peso)                   |            | -365  |
| Brazil (milreis)                   | 279        | .141  |
| China (Silver dollar-Hongkong)     | 789        | .585  |
| (Tael-Shanghai, silver)            | 1.082      | .797  |
| (TaelPeking, silver)               | 1 156      | .842  |
| Russia—(100 rubles)                |            | .150  |

## NEW GERMAN PRICES FOR FERTILIZERS (By Staff Correspondent of DRUG & CHEMICAL MARKETS)

Berlin, June 3.—The German Ministry of Food and Agriculture has sanctioned an increase in prices for fertilizers by one mark every one per cent of pure nitrate per kilo, in order to enable the industry to import coal, as the home supply of fuel is wholly inadequate. The new prices are as follows:

| late. The new prices are as follows |       |
|-------------------------------------|-------|
| Sulfate of ammonia                  | Mark  |
| a) ordinary                         | 54.50 |
| b) dried and ground                 | 55.80 |
| Muriate of ammonia                  | 54.50 |
| Ammonium sulfate of sodium          | 54.50 |
| Sodium salpetre with 40 to 45 per   |       |
| cent of rock salt                   | 54.50 |
| Potassium saltpetre (from ammoniu   | ım    |
| and chloride)                       | 54.50 |
| Potash saltpetre                    |       |
| Ammonium saltpetre from bones wit   |       |
| at least 3 per cent of bone-dust    | 54.50 |
| Plaster ammonium saltpetre with     |       |
| about 40 per cent of plaster        | 54.50 |
| Sulfate of ammonia saltpetre        |       |
| Nitrate of lime                     |       |
| Ground horns                        |       |
|                                     |       |

During a discussion on the supply vote of the Board of Trade in the House of Commons on May 11, W. J. Uglow Woolcock, as a member of the Licensing Committee under the Dyestuffs Act, defended the policy of the Committee. Licenses had been granted for importing 3,-500,000 pounds of dyes, and refused in the case of 2,500,000 pounds. He gave particulars of the system that is being carried out by the German makers of cutting the prices of dyes which are also made in England and charging high prices for dyes not made there. The increased cost of German dyes is from four to seven times the pre-war charge, he said.

The prices for pharmaceutical drugs and chemicals have increased enormously in Germany. In some cases, cocaine for instances, they are now 240 times pre-war standard. Prices for quinine are 180 times, for boron-preparations 120 times, and iodine preparations 105 times higher than in 1914. Even some of the herbs, growing wild in Germany, have increased 54 times, while 30-35 times are the average. Bromine-preparations have increased the least, about 20 times.

#### IMPORTS AT SAN FRANCISCO

Imports at San Francisco for the last week in May included the following: On the steamer Sonoma, from Pago Pago, 1,298 sacks copra; on the steamer Golden State, from Manila and Hongkong, 930 bags copra, 60 cases peanut oil and 11 cases of alkali; on the steamer China, from Hongkong, 47 cases ginger, 25 cases peanut oil; on the steamer Horaisan, from Dairen and Hongkong, 4,741 sacks bean cake, 1,489 bags linseed, 250 sacks mustard seed, 76 bags ginger, 70 cases camphor, 1,000 bags linseed cake and 20 cases rape oil; on the steamer Marama, from Wellington and Sydney, 100 cases eucalyptus oil, 1,295 sacks copra, 144 cases vanilla beans and 11 bags phosphate; on the motorship Borgland, from Antwerp, 50 casks calcium; on the steamer Cardiganshire, from Rotterdam, 10 packages sulphide of copper, 74 packages of mace and 100 cases linseed oil, from Hamburg 417 barrels nitrate of ammonia, 31 barrels lithophone and 99 packages chloride of magnesia, from London 94 cases mustard, 1,445 cases olive oil, 67 packages prepared chalk. On the steamer Anyo Maru, from Hongkong, 350 packages cassia; on the steamer China, from Hongkong, 47 cases ginger and 25 cases peanut oil; on the steamer Panaman, from Hamburg, 50 barrels potash, 50 cases potash and 25 casks permanganate; on the steamer Bearport, from Manila, 34,860 bags copra; on the steamer West Notus, from Buenos Aires, 30,075 bags fertilizers, 1,345 tons bones, 5,291 bags quebracho wood extract and 398 sacks greaves cakes

#### PROFITS OF GERMAN ANILINE TRUST

(Special Correspondence to DRUG & CHEMICAL MARKETS)
Berlin, June 3.—The 1921 balance sheets of the
firms belonging to the German Aniline Syndicate (Interssengemeinschaft der chemischen Grossindustrie)
do not show the amount that had to be borne by each
company for the rebuilding of the nitrogen factory
at Oppau destroyed in September. The syndicate's
output in 1921 was higher than expected. Work at
Oppau was restarted in December and the Leuna
Works were brought up to capacity.

The firm of Leopold Casalla & Co., Frankfurt-on-Main has joined the syndicate, and an exchange of shares has taken place. Exports of dyes are increasing. The output of nitrogen and of carbonate of soda is still insufficient to meet the home demand. Production is hampered by scarcity of coal and coke, which could only partially be met by imports. The output capacity of the Badania Aniline and Soda Works has been brought up to 1,000 metric tons of sulfate of ammonia per day, which is equal to about 200,000 metric tons of nitrogen per year, but, on account of lack of fuel, production has to be reduced at times to 50 per cent of the normal output.

The following table shows the capital of the different companies, the amount written off for depreciation, the net profits, and the dividends paid for 1921. Figures for 1920 are given for comparison.

## U. S. DYE TRADE WITH CANADA GROWS (Special to Drug & Chemical Markets)

Toronto, Canada, June 14.—The monthly report of the trade of Canada for March gives the value of imports of dyes and tanning materials as follows:—From Britain, \$36,866; United States, \$340,529; other countries, \$116,012; total, \$493,407; as compared with imports for March, 1921, from Britain \$30,757; United States, \$136,000; other countries, \$102,466; total \$269,233.

For the 12 months ending March, dyes and tanning materials imported were valued at \$253,526 from Britain; \$2,808,444, United States; \$941,422, other countries; total, \$4,093,392, as against \$818,241 from Britain; \$4,447,808, United States; \$765,517 other countries; total, \$6,031,566 for the previous fiscal year.

Imports of aniline and coal-tar dyes included in the above during March were as follows: From Britain, 44,658 lbs., value \$33,236; United States, 206,054 lbs., value \$152,566; Germany, 8,948 lbs., value \$63,273; Switzerland, 11,894 lbs., value \$15,125; other countries, 12,455 lbs., value \$18,030; total, 284,009 lbs., value \$282,230, as compared with imports from Britain, 47,950 lbs., value \$27,504; United States, 84,311 lbs., value, \$88,598; Germany, 526 lbs., value \$2,740; Switzerland, 99 lbs., value \$123; total, 132,886 lbs., value \$118,965, for March 1921.

During the fiscal year ended March, imports of aniline and coal-tar dyes were, from Britain, 307,686 lbs., value \$222,746; United States, 1,383,611 lbs., value \$1,277,636; Germany, 98,089 lbs., value \$484,442; Switzerland, 117,903 lbs., value \$149,564; other countries, 58,698 lbs., value \$79,292; total, 1,965,987 lbs., value \$2,213,684, as compared with imports from Britain 843,567 lbs., value \$555,316; United States, 2,065,706 lbs., value \$2,266,413; Germany, 2,262 lbs., value \$14,763; Switzerland, 81,501 lbs., value \$160,250; other countries, 21 lbs., value \$232; total, 2,993,057 lbs., value \$2,996,974 for the fiscal year ended March, 1921.

It is very clear, says Archibald J. Wolfe, Chief of the Division of Commercial Laws, in an article in "Commerce Reports," that overdue accounts are in many instances caused by carelessness in the granting of credits. Two typical instances are cited by Mr. Wolfe: One that of a firm in Colombia which secured a credit of several hundred dollars from a concern in Chicago by sending a list of references with whom the shipper did not communicate until after the draft drawn on the buyer was returned dishonored. Then an investigation was made; the references were communicated with and promptly disavowed any knowledge of the debtor. It was found that the firm was a fraudulent one; that it had no place of business and had disappeared after victimizing a number of American exporters. The second, and similar, experience was that was of a New York exporter in connection with a firm in Georgetown, British Guiana. "These people are notorious crooks," writes the exporter; "they have done this sort of work for years.

|  | Ho<br>Dye-w | ochster<br>/orks | Bada<br>Ana<br>wo | line | Ba<br>& | yer<br>Co. | Tre  | eptow  | Gries | heim   | Weiler<br>Mee |           |
|--|-------------|------------------|-------------------|------|---------|------------|------|--------|-------|--------|---------------|-----------|
| Profit quota in the<br>Interessenge-<br>meinschaft | -24.8       | 2—               | -24.8             | 32   | -24     | 1.82       | _8   | 08     | -6.   | 0      | -1.6          | 5         |
| In million marks                                   |             | 1920             | 1921              | 1920 | 1921    | 1920       | 1921 | 1920   | 1921  | 1920   | 1921          | 1920      |
| Capital  | 450         | 252              | 430               | 252  | 430     | 252        | 141  | 82     | 108   |        | 33.3          | 23.3      |
| Depreciation                                       | 21.0        | 19.1             | 145.5             | 80.0 | 10.8    | 9.1        | 18.3 | 10.9   | 20.4  | 63 7.3 | 1.9           | 1.5       |
| Net profits  | 172.3       | 61.8             | 165.3             | 65.2 | 198.4   | 65.0       | 62.9 | 23.2   | 43.4  | 17.2   | 12.9          | 6.9       |
| Dividend   |             |                  |                   |      |         |            |      |        |       |        |               | -         |
| Per cent   | 30          | 20               | 30                | 20   | 30      | 20<br>36.0 | 30   | 20     | 27    | 16     | 25            | 15        |
| In million marks                                   | 120.0       | 36.0             | 120.0             | 36.0 | 120.0   | 36.0       | 39.3 | 12.6   | 27.0  | 7.2    | 25<br>7.7     | 15<br>2.5 |
| Net profits, includ-<br>amount carried             |             |                  |                   |      |         |            |      |        |       |        |               | -7-       |
| forward  |             | 64.5             | 168.7             | 68.1 | 201.4   | 67.5       | 63.6 | . 23.7 | 45.2  | 18.7   | 13.1          | 7.1       |

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## Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

#### EXPLANATION

Prices current quoted herein are spot New York, unless otherwise indicated, for goods in large quantities in original packages of the customary trading unit of weight or measure. Re-sale prices are quoted when second-hands are a factor in the market.

The price range (two sets of figures, e. g., .16-.19) indicates either prices for different quantity orders, or else that different manufacturers or importers quote different prices. All price ranges are inclusive.

All quotations are made on the basis of avoirdupois pounds and ounces or American gallons. For the ready reference of exporters and foreign buyers the following tables of equivalents are published:

WEIGHTS AND MEASURES
Imperial Gallon (Brit.)—1.20 Amer. Gallons
American Gallon—833 Imperial Gallon
American Gallon—3,79 liters
Liter—.264 American Gallon
American Gallon (H<sub>2</sub>O) weighs 8.35 pounds
Pound (Avoirdupois) weighs 4.54 Kilogram
Kilogram weighs 2.20 pounds (Avoirdupois)

#### Acids

| -  |       |      |        |
|--|-------|------|--------|
| Acetic, See Heavy Chemicals  |       |      |        |
| Acetyl-salicylic, 200 lb. bbls.tb.   | .76   | _    | .80    |
| Benzoic, U.S.P., 100 lb, bbls.tb.  | -55   | -    | 75     |
|  | .115  | -    | .121/4 |
| Powdered, bbls   | .113  | 2-   | .125/4 |
| Comphorie II S P   | A 65  | -    | 4 75   |
| Powdered, bbls b. Butyric pure, 60%, 5 lb. bott.lb. Camphoric, U.S.P   | 4.00  | _    | 4.73   |
| hottle th  | _     | _    | 29     |
| 5-lb. bottletb.  |       | -    | .25    |
| 50 to 110-1b. tins   | .20   | _    | .21    |
| Liquid, U.S.P., 1 lb. botlb.   |       | _    | .28    |
| Liquid, U.S.P., 1 lb. botlb. Crude, 25 p.cgal. Chromic, 95 p.c. U.S.P., jars.lb. Chrysophanic, bxslb. Cinnamic, See Aromatic Chemica Citric, crystals, bblslb. | .30   | _    | .35    |
| Chromic, 95 p.c. U.S.P., jars.lb.  | 1.70  | _    | .45    |
| Cinnamic Sea Arematic Chamica  | 1.70  | _    | 1.90   |
| Citric, crystals, bblstb.  | 45    | -    | 451/   |
| Powderedtb.  | .46   | _    | .461/2 |
| Powdered   | .443  | 2-   | .45    |
| Tresulte 95-100 n.c. Noe Conletes  | F 971 | des  |        |
| Formic 75 p.c., tech., bblstb. Gallic, U.S.P., bblstb. Glycerophosphoric, 25 p.ctb.  | .16   | -    | .18    |
| Gallic, U.S.P., bbls   | .70   | _    | .75    |
| Hydrobsomic 40 a c shue lb   | 1.65  | _    | 1.70   |
| Hydrochloric CP earhove th   | 07    | _    | .40    |
| Hydrohromic, 40 p.c., cbyslb.<br>Hydrochloric, C.P., carboyslb.<br>Hydrodic, 45 p.c., bottlb.  | 2.25  | _    | 2.35   |
|  |       |      |        |
| Hypophosphorous, 50 p.c tb.  | 1.65  | _    | 1.70   |
| IISP ID n.c. chys  |       |      |        |
| Lactic, U.S.P., VIII, ebys. 1b.<br>U.S.P., IX  | -     | =    | .55    |
| U.S.P., IXb.   | -     | =    | .65    |
| Maiic, DDIS  |       |      |        |
| Molybdic, C.P., kegs1b.  | -     | -    | 3.00   |
| Muriatic, see Heavy Chemicals  |       |      |        |
| Nitric, C.P., cbyslb.  | .09   | -    | .10    |
| Oxalic, See Heavy Chemicals  |       |      |        |
| Picric, kegs. see Intermediates  |       |      |        |
| Phosphoric, 85-88 p.c., syr.U.S.Ptb.   | .14   | _    | .19    |
| 50 p.c., tech., cbvs   | .08   | _    | .09    |
| Pyrogallic, resubl. botttb.<br>Crystals, bottlestb.  | _     | _    | 1.60   |
| Crystals, bottlestb.   |       | _    |        |
| Salicylic, U.S.P., less 1000 lbs.lb.   | _     | _    | .26    |
| Second Handstb.  | .24   | _    | .25    |
| Sulfuric, C.P., cbyslb.  |       | _    |        |
| Sulfurous (6-7 p.c.) cbyslb.   | _     | -    | .05    |
| Tannic, U.S.P., 25 lb. bblsfb.   | .70   | -    | .75    |
| Tartaric. Crystals, bblslb.  | _     | -    | .30    |
| Powdered, U.S.Pfb.   |       | _    | .30    |
| Imported, U.S.P  | .281  | 1/2- | .29    |
| Powderedtb.  | .29   | -    | .30    |
|  |       |      |        |

## Fine Chemicals Acetanilid, U.S.P.,200 | b,bbl.tb. | .30 - .31

| Acetone, 700 lb. drumslb.  | .08  |   | ii  |
|--|--|---|---|
| Acetone, 700 lb. drumslb. Acethenetidin, 100 lbslb. Aconitine, Alk., Cryst., 1 oz. oz. Amorphous, 1 ozoz. Adeps Lanae, Hydrous, bbls.tb. Anhydrous   | 15.00  | -1.8 $-16.0$  | 00  |
| Amorphous, 1 ozoz.   | 15.00  | -16.0   | 00  |
| Adeps Lanae, Hydrous, bbls.tb. Anhydrous   | .18  |   | 20  |
| Alcohol, U.S.P. 190 deg.   |  |   | .   |
| Cologne Spirit gal   | _  | $\frac{-4.7}{-4.7}$   | 75  |
| Second Hands, bbls gal.  | 4.60   | - 4.6   | 55  |
| For Export, U.S.Pgal.  | .32  | 4   | 10  |
| 97 p.cgal.   | .57  | 5   | 8   |
| 97 p.cgal.<br>Pure, (Methanol) bblsgal.  | .70  | /   | 72  |
| Acetone freegal.<br>Second Hands, 95-97 p.c.gal.<br>Detnatured, 5 & 6, bbis.,Dr.ga   | .52  | 5   | 53  |
| Butyl, Drumsfb.  | 12   | 5 -   | .35   |
| Butyl, Drums b. Iso-propyl, crude, bblsgal. Refined, 50gal.bbls.,drumsgal. Aloin, U.S.P., powd. b. Amidopyrine, 10-50 lbsb.  | .20  | - 2.2   | 25  |
| Kenned, 50gal, bbls., drumsgal,  | 4.00   | - 4.8   | 50<br>37  |
| Amidopyrine, 10-50 lbs   | 4.00   | - 4.5   | 50  |
| Ammonium, Acetate, crystlb.  | .85  | 2   | 38  |
| Bichromate, C. Pb.   | .65  | - :   | 70 E  |
| Bromide, gran., 50 lb. bxlb.   | .16  | 2   | 29  |
| Carbonate, U.S.P., kegsfb.   | .11  | 1   | 12  |
| Aloin, U.S.P., powd  | .07  | 1   | 99  |
| Hypophosphiteb.  |  | $\frac{-1.6}{-1.4}$   | 10  |
| I Ichthuniate (as to beamd) the  |  | - 3.0   | 00  |
| Nitrate, C. P., bblslb.  | 4.85   | - 4.9<br>4  | 10  |
| Iodide, bxs  | .45  | 4   | 48  |
| Monobasic  | .38  |   | 18  |
| Salicylate, U.S.P  | .53  |   | 55  |
| Monobasic b. Salicylate, U.S.P. b. Water, Ammonia, (See Heavy Amyl Acetate, bulk, drums,gal. Antimony Chlor, (Sol. butter of Antimony), Bbls. b. Needle Powder, casks. b.  | 1.90   | icals)  | 25  |
| Zintimony Chief, (Soi, butter of   |  |   |   |
| Antimony), Bbls  | .043   | 48  | 10  |
| Antipyrine (50-100 lbs.)tb.  | 2.10<br>12.00  | - 2.1<br>-12.1  | 25  |
| Antimony), Bblsb. Needle Powder, casksb. Antipyrine (50-100 lbs.)b. Apomorphine Hydrochlor. 1/28.oz. Arecollne Hydrobrom. 5 ozs.oz. Argols, red. powd.   | 14.00  | -15.6   | 00  |
| Argols, red. powdth  | .07  | _ (   | no t  |
| Arcenia Ped See Heavy Chaml.   | -10  |   | 09  |
| Arsenic Red, See Heavy Chemicals   | cals   |   | - 4   |
| Arsenic Red, See Heavy Chemicals Arsenous Iodide, U.S.Pth. Attorine All, U.S.Pth.  | eals —   | - 6.1   | 10  |
| Arsenic Red, See Heavy Chemicals<br>White, See Heavy Chemicals<br>Arsenous Iodide, U.S.Pb.<br>Atropine, Alk., U.S.P., 1-02.02.<br>Sulfate, U.S.P., 5-10 02802.   | 5.25   | - 6.1<br>- 9.0<br>- 5.1   | 10  |
| Argols, red, powd  | 5.25   | - 6.1<br>- 9.0<br>- 5.3<br>- 1.   | 10<br>00<br>50<br>25  |
| Barium Carb. prec., bblslb. Dioxide, kegslb.   | .17  | - 6.1<br>- 9.0<br>- 5.1<br>- 1.   | 10<br>00<br>50<br>25<br>25<br>21  |
| Barium Carb. prec., bblslb. Dioxide, kegslb.   | .17  | - 6.1<br>- 9.0<br>- 5.1<br>- 1.   | 10<br>00<br>50<br>25<br>25<br>21  |
| Barium Carb. prec., bblslb. Dioxide, kegslb.   | .17  | - 6.1<br>- 9.0<br>- 5.1<br>- 1.   | 10<br>00<br>50<br>25<br>25<br>21<br>10<br>07  |
| Barium Carb. prec., bblslb. Dioxide, kegslb. lodide, bottlb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicy Acidgal.  | .17<br>.063  | - 6.1<br>- 9.0<br>- 5.1<br>- 1.   | 10<br>00<br>50<br>25<br>25<br>21<br>10<br>07  |
| Barium Carb. prec., bblslb. Dioxide, kegslb. lodide, bottlb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicy Acidgal.  | .17<br>.063  | - 6.1<br>- 9.0<br>- 5.1<br>- 1.   | 10<br>00<br>50<br>25<br>25<br>21<br>10<br>07  |
| Barium Carb. prec., bblslb. Diovide, kegslb. Iodide, bottlb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acidgal. or Tartar Emetic, Barrels Denatured, quininegal. Domestle, synthetic, 59 gal.   | .17<br>.063<br>3.17<br>45 ga<br>3.50   | - 6.1<br>- 9.0<br>- 5.1<br>- 1<br>- 5.1<br>- 3.2<br>- 3.2<br>- 3.2  | 10<br>00<br>50<br>25<br>25<br>21<br>10<br>07<br>20  |
| Barium Carb. prec., bblslb. Diovide, kegslb. Iodide, bottlb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acidgal. or Tartar Emetic, Barrels Denatured, quininegal. Domestle, synthetic, 59 gal.   | .17<br>.063<br>3.17<br>45 ga<br>3.50   | - 6.1<br>- 9.0<br>- 5.1<br>- 1<br>- 5.1<br>- 3.2<br>- 3.2<br>- 3.2  | 10<br>00<br>50<br>25<br>25<br>21<br>10<br>07<br>20<br>60  |
| Barium Carb. prec., bblslb. Dioxide, kegslb. Dioxide, kegslb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicy Acidgal. or Tartar Emetic, Barrels Denatured, quininegal. Domestle, synthetic, 50 gal. bblsgal. Benzaldehyde (see Aromatic Ch Benzonaphtholb. Berberine Hdehl. 5 lbsb.   | 3.17<br>45 ga<br>3.50<br>1.50<br>emica<br>2.65                                     | - 6.1<br>- 9.0<br>- 5.1<br>- 1.1<br>- 3.2<br>11.<br>- 3.4<br>- 1.0<br>11s)<br>- 2.7<br>22.0   | 10<br>00<br>50<br>25<br>25<br>21<br>10<br>07<br>20<br>60<br>60  |
| Barium Carb. prec., bblslb. Dioxide, kegslb. Dioxide, bottlb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acidgal. or Tartar Emetic, Barrels Denatured, quininegal. Domestle, synthetic, 50 gal. bblsgal. Benzaldehyde (see Aromatic Ch Benzanaphtholbb. Berberine Hdchl., 5 lbslb.   | 3.17<br>45 ga<br>3.50<br>1.50<br>emica<br>2.65                                     | - 6.1<br>- 9.0<br>- 5.1<br>- 1.1<br>- 3.4<br>- 3.4<br>- 1.0<br>- 2.1<br>- 2.2.1<br>- 2.3.0  | 10<br>00<br>50<br>50<br>225<br>225<br>221<br>10<br>007<br>20<br>60<br>60  |
| Barium Carb. prec., bblslb. Dioxide, kegslb. Dioxide, bottlb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acidgal. or Tartar Emetic, Barrels Denatured, quininegal. Domestle, synthetic, 50 gal. bblsgal. Benzaldehyde (see Aromatic Ch Benzanaphtholbb. Berberine Hdchl., 5 lbslb.   | 3.17<br>45 ga<br>3.50<br>1.50<br>emica<br>2.65                                     | - 6.1<br>- 9.0<br>- 5.1<br>- 1.1<br>- 3.2<br>- | 100<br>500<br>500<br>500<br>522<br>521<br>110<br>100<br>100<br>100<br>100<br>100<br>100<br>1                              |
| Barium Carb. prec., bblslb. Dioxide, kegslb. Dioxide, kegslb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acidgal. or Tartar Emetic, Barrela Denatured, quininegal. Domestle, synthetic, 50 gal. bblsgal. Benzaldehyde (see Aromatic Ch Benzonaphtholb. Merberine Hdchl., 5 lbslb. Acid Sulfateb. Neutral sulfateb. Bismuth Metallicb. Ammon. Citrate, U.S.Pth  | 3.17<br>45 ga<br>3.50<br>1.50<br>emica<br>2.65                                     | - 6.1<br>- 9.0<br>- 5.1<br>- 1.1<br>- 3.2<br>- | 100<br>500<br>500<br>500<br>522<br>521<br>110<br>100<br>100<br>100<br>100<br>100<br>100<br>1                              |
| Barium Carb. prec., bblslb. Dioxide, kegslb. Dioxide, kegslb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicy Acidgal. or Tartar Emeric, Barrels Denatured, quininegal. Domestic, synthetic, 50 gal. bblsgal. Benzaldehyde (see Aromatic Ch. Benzonaphtholb. Berberine Hdchl., 5 lbsb. Acid Sulfateb. Neutral sulfateb. Neutral sulfateb. Bismuth Metalliclb. Ammon. Citrate, I.S.Pth. Betanaphtholb. Betanaphtholb. Betanaphtholb. Betanaphtholb.   | 3.17<br>45 ga<br>3.50<br>1.50<br>emica<br>2.65                                     | - 6 9.0 - 5.1 - 3.0 - 3.1 - 3.0 - 2.1 -   | 10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10  |
| Barium Carb. prec., bblslb. Dioxide, kegslb. Dioxide, kegslb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicy. Acidgal. or Tartar Emetic, Barrels Denatured, quininegal. bbls  | 3.17<br>45 ga<br>3.50<br>1.50<br>emica<br>2.65                                     | - 6 9.0 - 5 1 3.2 - 1 3.2 - 1 3.2 - 2 2.3.0 - 2 2 2 2 2 2 2   | 100<br>100<br>100<br>100<br>100<br>100<br>100<br>100  |
| Barium Carb. prec., bblslb. Dioxide, kegslb. Dioxide, kegslb. Iodide, bottlb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acidgal. or Tartar Emeric, Barrels Denatured, quininegal. Domestic, synthetic, 50 gal. bblsgal. Benzaldehyde (see Aromatic Chenatory) Berberine Hdchl., 5 lbslb. Acid Sulfatelb. Neutral sulfatelb. Bismuth Metalliclb. Ammon. Citrate, U.S.Plb. Betanaphtholb. Citrate, U.S.Plb. Citrate, U.S.Plb. Nitratelb. Nitratelb. Nitratelb. Oxychloridelb. Oxychloridelb.  | 3.17<br>45 ga<br>3.50<br>1.50<br>emica<br>2.65<br>21.00<br>2.10                    | - 6.1 - 9.0 - 5.5 - 5.1 - 9.1 - 1.1 - 3.4   | 100<br>500<br>500<br>255<br>221<br>100<br>100<br>100<br>100<br>100<br>100<br>100  |
| Barium Carb. prec., bblslb. Dioxlde, kegslb. Dioxlde, kegslb. Iodide, bottb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acldgal. or Tartar Emetic, Barrels Denatured, quininegal. Domestle, synthetle, 50 gal. bblsgal. Benzaldehyde (see Aromatic Chenatory) Berberine Hdchl., 5 lbslb. Neutral sulfatelb. Neutral sulfatelb. Bismuth Metalliclb. Ammon. Citrate, U.S.Plb. Betanaphtholb. Citrate, U.S.Plb. Nitratelb. Nitratelb. Oxychlorldelb. Fhenolsulfonatelb. Sallcylatelb. Sallcylatelb. Sallcylatelb.   | .17<br>.065<br>3.17<br>45 ga<br>3.50<br>emica<br>2.65<br>21.00<br>21.00<br>2.10    | - 6 9.0 - 5 5 5 1 1 1 5 1 1   | 100<br>500<br>500<br>500<br>500<br>500<br>225<br>225<br>2   |
| Barium Carb. prec., bblslb. Dioxlde, kegslb. Dioxlde, kegslb. Iodide, bottb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acldgal. or Tartar Emetic, Barrels Denatured, quininegal. Domestle, synthetle, 50 gal. bblsgal. Benzaldehyde (see Aromatic Chenatory) Berberine Hdchl., 5 lbslb. Neutral sulfatelb. Neutral sulfatelb. Bismuth Metalliclb. Ammon. Citrate, U.S.Plb. Betanaphtholb. Citrate, U.S.Plb. Nitratelb. Nitratelb. Oxychlorldelb. Fhenolsulfonatelb. Sallcylatelb. Sallcylatelb. Sallcylatelb.   | .17<br>.065<br>3.17<br>45 ga<br>3.50<br>emica<br>2.65<br>21.00<br>21.00<br>2.10    | - 6 9.0 - 9.0 - 9.0 - 9.1 - 1.1 - 1.0 - 9.1 - 1.1 - 3.4 - 1.0 - 1.1 - 3.4 - 1.1 - 3.4 - 1.1 - 2.2 - 2.2 - 2.1 - 2.2 -   | 100<br>50<br>50<br>50<br>50<br>52<br>52<br>51<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>1                  |
| Barium Carb. prec., bbls lb. Dioxide, kegs lb. Dioxide, bott lb. Nitrate lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicv. Acid gal. or Tartar Emeric, Barrels Denatured, quinine gal. bls gal. bbls bb. Acid Sulfate bb. Neutral sulfate bb. Citrate, U.S.P bb. Nitrate bb. Sallcylate bb. Sallcylate bb. Subbenzoate bb. Subbenzoate bb. Subbenzoate bb. For X-ray diagnosis bb.   | .17<br>.06)<br>3.17<br>45 ga<br>3.50<br>1.50<br>emica<br>2.65<br>21.00<br>2.10<br> | - 6.9.0.0   | 100<br>000<br>525<br>525<br>225<br>211<br>100<br>775<br>600<br>600<br>600<br>600<br>600<br>600<br>600<br>600<br>600<br>60 |
| Barium Carb. prec., bbls. lb. Dioxide, kegs lb. Dioxide, kegs lb. Iodide, bott. lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicv. Acid. gal. or Tartar Emetic, Barrels Denatured, quinine gal. bls. gal. bbls. hcld Sulfate lb. Acid Sulfate lb. Acid Sulfate lb. Bismuth Metallic lb. Ammon. Citrate, U.S.P. lb. Nitrate lb. Oxychloride lb. Salicylate lb. Salicylate lb. Subcarbonate lb. Subcarbonate lb. Subcarbonate, U.S.P. lb. Subgallate lb. Subgallate lb. Subgallate lb. Subgallate lb. Subgallate lb. Subgallate lb.   | .17706;) 3.17 45 ga 3.50 1.50 emica 2.65 21.00 2.100                               | - 6.0 - 5.5 - 1 3.4 / 2 - 3.4 / 3.4 - 3.4 / 3.4 - 3.4 / 3.5 - 2.2 / 2 - 2.4 / 3   | 100<br>000<br>225<br>225<br>221<br>100<br>007<br>200<br>600<br>200<br>200<br>200<br>200<br>200<br>200                     |
| Barium Carb. prec., bblslb. Dioxide, kegslb. Dioxide, kegslb. Nitratelb. Bay Rum, P. R. Imported Denatured Salicv. Acidgal. or Tartar Emetic, Barrels Denatured, quininegal. bblsgal. Benzaldehyde (see Aromatic Ch Renzonaphthol Berberine Hdchl., 5 lbslb. Acid Sulfatelb. Neutral sulfatelb. Bismuth Metalliclb. Ammon. Citrate, U.S.Plb. Citrate, U.S.Plb. Nitratelb. Sallcylatelb. Sallcylatelb. Subcarbonatelb. Subcarbonate, U.S.Plb. Subnitiatelb. Subnitiate   | .177 .063 3.17 45 gas 3.50 1.50 emicae 2.65 2.100 2.100 2.100 2.10                 | - 6 9.0 9.0   | 100<br>100<br>100<br>100<br>100<br>100<br>100<br>100  |
| Barium Carb. prec., bbls lb. Dioxide, kegs lb. Dioxide, bott lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicv. Acid gal. or Tartar Emetic, Barrels Denatured, quinine gal. bbls gal. bbls gal. bbls gal. Benzaldehyde (see Aromatic Ch Benzonaphthol lb. Acid Sulfate lb. Neutral sulfate lb. Neutral sulfate lb. Ammon. Citrate, U.S.P lb. Citrate, U.S.P lb. Nitrate lb. Sallcylate lb. Sallcylate lb. Sallcylate lb. Sallcylate lb. Subcarbonate, U.S.P lb.   | .177 .069 3.17 45 gz 3.50 1.59 eznics 2.100 2.100 2.10                             | - 6.1 - 9.0   | 100<br>500<br>550<br>550<br>525<br>521<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>1                              |
| Barium Carb. prec., bbls. lb. Dioxide, kegs lb. Dioxide, kegs lb. Iodide, bott. lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicy Acid. gal. or Tartar Emetic, Barrels Demastred, quinine gal. Domestle, synthetic, 59 gal. bbls. gal. bbls. gal. Benzaldehyde (see Aromatic Chemiconaphthol lb. Acid Sulfate lb. Acid Sulfate lb. Neutral sulfate lb. Bismuth Metallic lb. Betanaphthol lb. Betanaphthol lb. Betanaphthol lb. Betanaphthol lb. Bismuth Metallic lb. Brown Citrate, U.S.P. lb. Betanaphthol lb. Fhenolsulfonate lb. Sulcalate lb. Fhenolsulfonate lb. Subcarbonate, U.S.P. lb. Subcarbonate, U.S.P. lb. Subcarbonate lb.  | .17 .063 3.17 45 ga 3.50 1.50 2.16 2.10 2.10 2.11 2.15 2.15 2.15 2.00              | - 6 9.0 9.0   | 100<br>500<br>550<br>550<br>525<br>521<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>1                              |
| Barium Carb. prec., bbls lb. Dioxide, kegs lb. Dioxide, bott lb. Nitrate lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicv. Acid gal. or Tartar Emetic, Barrels Denatured, quinine gal. bbls gal. bbls gal. Benzaldehyde (see Aromatic Ch Benzonaphthol lb. Acid Sulfate lb. Neutral sulfate lb. Acid Sulfate lb. Ammon. Citrate, U.S.P lb. Betanaphthol lb. Citrate, U.S.P lb. Citrate, U.S.P lb. Sallcylate lb. Sallcylate lb. Subcarbonate lb. Subnitrate lb. Subnitrate lb. Subnitrate lb. Scoond Hands lb. Subnalicylate lb. Subnalicylate lb. Subnalicylate lb. Subnalicylate lb.   | .17 .063 3.17 45 ga 3.50 1.50 2.16 2.10 2.10 2.11 2.15 2.15 2.15 2.00              | - 6.1 - 9.0   | 100<br>500<br>550<br>550<br>525<br>521<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>1                              |
| Barium Carb. prec., bbls. lb. Dioxide, kegs lb. Dioxide, kegs lb. Iodide, bott. lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicy Acid. gal. or Tartar Emetic, Barrels Demastred, quinine gal. Domestle, synthetic, 59 gal. bbls. gal. bbls. gal. Benzaldehyde (see Aromatic Chemiconaphthol lb. Acid Sulfate lb. Acid Sulfate lb. Neutral sulfate lb. Bismuth Metallic lb. Betanaphthol lb. Subcarbonate lb. Subcarbon | .17  | - 6.1 - 9.0 - 5.1 - 1.1 - 3.4 - 1.6   | 100<br>500<br>255<br>225<br>221<br>200<br>200<br>200<br>200<br>200<br>200<br>200  |
| Barium Carb. prec., bbls. lb. Dioxide, kegs lb. Dioxide, kegs lb. Iodide, bott. lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicy Acid. gal. or Tartar Emetic, Barrels Demastred, quinine gal. Domestle, synthetic, 59 gal. bbls. gal. bbls. gal. Benzaldehyde (see Aromatic Chemiconaphthol lb. Acid Sulfate lb. Acid Sulfate lb. Neutral sulfate lb. Bismuth Metallic lb. Betanaphthol lb. Subcarbonate lb. Subcarbon | .17  | - 6.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0   | 100<br>500<br>550<br>550<br>525<br>521<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>1                              |
| Barium Carb. prec., bbls. lb. Dioxide, kegs lb. Dioxide, kegs lb. Iodide, bott. lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicy Acid. gal. or Tartar Emetic, Barrels Demastred, quinine gal. Domestle, synthetic, 59 gal. bbls. gal. bbls. gal. Benzaldehyde (see Aromatic Chemiconaphthol lb. Acid Sulfate lb. Acid Sulfate lb. Neutral sulfate lb. Bismuth Metallic lb. Betanaphthol lb. Subcarbonate lb. Subcarbon | .17  | - 6.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0 - 3.1 - 3.0   | 10<br>50<br>50<br>25<br>21<br>21<br>20<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>6                         |
| Barium Carb. prec., bbls lb. Dioxide, kegs lb. Dioxide, bott lb. Nitrate lb. Nitrate lb. Bay Rum, P. R. Imported Denatured Salicv. Acid gal. or Tartar Emetic, Barrels Denatured, quinine gal. bbls gal. bbls gal. Benzaldehyde (see Aromatic Ch Benzonaphthol lb. Acid Sulfate lb. Neutral sulfate lb. Acid Sulfate lb. Ammon. Citrate, U.S.P lb. Betanaphthol lb. Citrate, U.S.P lb. Citrate, U.S.P lb. Sallcylate lb. Sallcylate lb. Subcarbonate lb. Subnitrate lb. Subnitrate lb. Subnitrate lb. Scoond Hands lb. Subnalicylate lb. Subnalicylate lb. Subnalicylate lb. Subnalicylate lb.   | .17  | - 6.1 - 9.0 - 5.1 - 1.1 - 3.4 - 1.1 - 3.4 - 2.2   | 10<br>50<br>50<br>25<br>21<br>21<br>20<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>6                         |

#### CLASSIFICATION

Items are classified into divisions based upon industrial and trade use and, within these divisions, are arranged alphabetically. The order follows roughly the order of the market reports in the text pages and the running heads at the top of the page serve as a ready index.

Fine Chemicals — medicinal, photographic, CP reagent acids and chemicals, except synthetic aromatics.

Heavy Chemicals — industrial and metallurgical acids and chemicals, except metals, dyestuffs, tanning materials and fertilizers.

Coal-Tar Products—crudes and intermediates.

Oils—the fatty oils of animal, fish, and vegetable origin.

Crude Drugs—the natural botanical products sold through the drug trade, further subdivided according to class.

Essential Oils — include the oleoresins and are followed by the synthetic aromatic chemicals.

| 48                                    |   |      |    |                      |
|---------------------------------------|---|------|----|----------------------|
| 40                                    | Cadmium Bromide, 100 lbslb.   | 05   |    | 1.00                 |
| 18                                    | lodide Bromide, 100 IbsIb.  | .95  | _  | 4.20                 |
| 55                                    | lodide  |      |    | 1.00                 |
| - 2.25                                | Caffeine alkaloid, 100 lbstb.   | 3 75 | _  | 1.00                 |
| 2.20                                  | Hudsochloride   | 3.75 | -  | 4.00                 |
| 10                                    | Hydrochloride   |      |    | 8.00                 |
| 05                                    | Citrated II.S.P. #8   | 3 00 | _  | 3.43                 |
| 05<br>- 2.25                          | Sulfateb.   |      |    |                      |
| -12.25<br>-15.00                      | SuitateIb.  |      |    | 5.75                 |
| -15.00                                | Calcium Glycerophosphatelb.   | 1.55 | _  | 1.60                 |
| 09                                    | Bromide, 100 lbslb.<br>Hypophosphitelb.   | _    | -  | .40                  |
| - 4                                   | Hypophosphitelb. Iodidelb. Lactatelb.   | _    | -  | .65                  |
|                                       | lodidelb.   | ==   | -  | 4.20                 |
| - 6.10                                | Lactatelb.  | .50  | _  |                      |
| - 9.00                                | Phosphate, Precip1b.  | .10  | -  | .12                  |
| - 9.00<br>- 5.50<br>- 1.25            | Monobasiclb. Sulfocarbolatelb.  | .07  | -  | 8                    |
| - 1.23                                | Sulfocarbolatelb.   | _    | _  | .48                  |
| 25<br>21<br>- 5.10                    | Camphor, Am. ref'd bbls.blk.lb. 16's in 1-lb. cartonlb. 32's in 1-lb. cartonlb. Japan refined, 2½ lb. slabs.lb. Tablets (as to size)lb. Chinese refinedlb. Monobromated, 100 lbslb. | -    | _  | .90                  |
| 5 10                                  | 16's in 1-1b. carton1b.   | _    | _  | .95                  |
| 07                                    | 32's in 1-lb. cartonlb.   | -    | _  | .96                  |
| .07                                   | Japan refined, 21/2 lb. slabs.tb.   | .78  | -  | .80                  |
| - 3.20                                | Tablets (as to size)Ib.   | .91  | _  | .91                  |
|                                       | Chinese refined   | .78  | _  | .80                  |
| - 3.60                                | Monobromated, 100 lbslb.  | 1.70 | _  | 1.75                 |
|                                       |   |      |    |                      |
| - 1.60                                | Carmine, No. 40, 5 lb. bxstb.   | 4.50 | _  | 4.60                 |
| )                                     | Casein, Edible, bblslb.   | .35  | _  | .40                  |
| - 2.75<br>-22.00                      | Carmine, No. 40, 5 lb. bxslb. Casein, Edible, bblslb. Technical bb. Castor Oll, AA, 50 gal. bbls.bb. Cerlum Oxalate bb. Chalk, Precip., light, bbls. lb.                            | .14  | _  | .15                  |
| -22.00                                | Castor Oll, AA, 50 gal. bbls.fb.  | .12  | _  | .121/2               |
| -23.00                                | Cerlum Oxalate  | .40  | _  | .42                  |
| -23.00                                | Chaik, Precip., light, bbis. ib.  | .09  | ,- | .05<br>.04<br>.081/2 |
| - 2.20<br>- 5.20                      | Heavytb.  | .005 | -  | .09                  |
| - 2.70                                |   | .039 |    |                      |
| 2 20                                  | Charcoal, Powd., bblslb.<br>Willow, Powdlb.   | .04  |    |                      |
| 1 50                                  | Willow, Powd  | .06  | _  | .07                  |
| 2 55                                  | Bone Black, Powdfb.<br>Chinoidin, 500 lb. lotsfb.   | _    | _  | .65                  |
| - 2 30<br>- 1.50<br>- 2.55<br>- 2.25  | Chloral Hydrate, U.S.P., crys-  | _    | _  | .63                  |
| - 1.70                                | tals, 25 lb. jars, 100 lb. lotslb.  | _    | _  | .76                  |
| - 275                                 | Chloroceana 5 th hat the  | _    | =  | .94                  |
| - 2.45                                | Chloroform, U.S.P. 120 lb.  | _    | _  | 274                  |
| - 2.45<br>- 2.80                      | drums   | -    | _  | 30                   |
| - 2.15<br>- 4.10                      | · Second Handstb.   | _    | _  | .28                  |
| - 4.10                                | Ct. 11. (C. A.11 Ct   |      |    |                      |
| - 2.15                                | Cinchonidin, Alk., 100 oz. tin oz. Sulfate  | 70   |    | 75                   |
| - 3 15                                | Culfate   | ./0  | _  | 50                   |
| - 2.10                                | Cinchesias Alle 100 es tinos  | 30   | _  | 43                   |
| - 2.45<br>- 2.25                      | Culface H. K., 100 02. till 02.   | *90  |    | 25                   |
| - 2.25                                | Cocaine Alkaloid 10 oz oz   | 8.00 |    | 10.00                |
|                                       | Hydrochlor., Cryst., Powd.  | 0.00 |    | 10.00                |
| 06                                    | 25 07 02 02   | 6.00 |    | 7.00                 |
| - 0614                                | Seall sizes: 16s 50c extra.   | 0000 |    | 2.00.                |
| 25                                    | Small sizes: 1/s 50c extra,<br>1/s 25c, Singles 7c extra  |      |    |                      |
| 25                                    | Der Oz.   |      |    |                      |
| 06<br>06½<br>25<br>25<br>25<br>- 1.45 | Cocoa Butter, 200 lb. balesfb.<br>Fingers, cakes, 12 lb. bxsfb.   | .27  | _  | .29                  |
|                                       | Fingers, cakes, 12 lb. bxsfb.   | .35  | -  | .37                  |
|                                       |   |      |    |                      |

#### COPPER SALTS

Acetate

1922

S,

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cal

s. 50Ammoniated

Carbonate

Chloride

Chloride and Ammonia

Nitrate

Oxide

Sulphate

Sulphuret

## **COOPER QUALITY**

1857

1922

Extensive manufacturing facilities under the supervision of a corps of expert Chemists and Engineers enables us to serve faithfully the increasing demand for COOPER QUALITY.

## CHAS. COOPER & CO.

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Works: Newark, N. J.



# Headquarters

Cacodylates

IRON MERCURY SODIUM

and specializing in

Amidopyrine - Guaiacol Guaiacol Carbonate Ichthyfos (Ammonium Ichthyolate) Sodium Methylarsinate

E. Fougera & Co., Inc.

90-92 Beekman St., New York

Established 1849

Our complete chemical line embraces

Bromides Citrates Iodides Glycerophosphates Quinine Sulphate Pepsin Resorcinol

u 1849 ical<sup>e</sup>line embra Medicine The Arts
Photography

Excellent Chemicals

We invite the specification

When in need of Chemicals

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and Analytical Work

## Powers-Weightman-Rosengarten Co.

Manufacturing Chemists

New York PHILADELPHIA

St. Louis

## CALCIUM PHOSPHATE PRECIPITATED PURE

Special Product for Pharmaceutical Purposes

WILCKES-MARTIN-WILCKES Co.

135 WILLIAM STREET

NEW YORK

#### Fine Chemicals

| Codeine, Alk., 10 oz. cansoz. — 6.10 Hydrobromide  | Ethyl Acetate gal. 93 - 1.05 85 p.c. Ester gal. 62 - 67 Chloride bb - 35 Ethyl Methyl Ketone. bb .12 - 13 Eucalyptol, U.S.P., See Aromatic Chemicals Formaldehyde, bbls. wks., C/Ltb07/208 Less Carlots, bbls. bb08/2 .09 Gelatin, silver, 100 lb.cases lb90 - 1.00 Gold Label bb bb | Iron Citrate, U.S.P., VIIItb. and Ammon Citrate, U.S.P.tb. Green scales, U.S.Ptb. Cacodylate, 10 lb. bottb. Chloride, cryst. (ferric)tb. Liquid, 40 deg. 140 lb cbys.tb Hypophosphitetb. Syrup, U.S.P. 1900tb. | 84<br>9.00 -10.00<br>.08½09<br>063<br>1.50 - 1.60                             |
|--|--|--|---|
| Cod     Liver     Oil,     Newf'd     bbl.     19.00     —20.00       Norwegian,     30     gal.     bbls.     bbl.     21.00     —25.00       Colchicine,     Alkaloid,     1     oz.     oz.     —25.00       Salleylate,     1     oz.     oz.     —35.00       Collodion.     U.S.P.          Flexible,     U.S.P. | Glycerin C.P. drums, bbls., lb14½15 Cans, 50 lbs lb15½16 D₱namite, drums lb1313 Saponification, loose lb0910 Soap Lye, loose lb0809 Guaiacol, liquld, (25 lbs.) lb. 2.75 - 3.00  | Iodide   | 3.80<br>.6567<br>.8082<br>.4550<br>.4748                                      |
| Corn Syrup   | Benzoate (1 lb.)   | Phosphate, U.S.Ptb. Pyrophosphate, U.S.Ptb. Metallic, Reducedtb. Lanolin, See Adeps Lanae  | 89<br>94<br>60  |
| Imported, U.S.P., 224 lb.bbls.lb23 — .24 Creosote, U.S.P., cbyslb40 — .45 Carbonate, (25 lbs.)lb1.60 — 1.70 Cresol, U.S.Plb13 — .16 Digitalin, pure, (5-10 ors.). oz. 6.75 — 7.00 Dionin, See Morph. Ethyl Hydrochl.   | Hydrastine, Alkaloid (8 ozs.)oz. 17.00 -18.00<br>Hydrastine, Alkaloid (8 ozs.)oz. 17.50 -18.00<br>Hydrochloride  | Lead Iodide, U.S.P., VIIItb. Licorice, U.S.P., Mass  | 2.95<br>.2628<br>.4042<br>.5055<br>.1112<br>1.40 - 1.50                       |
| Dover's Powder, U.S.Pb. — 2.20 Duboisine Sulfate, (1 oz.)oz. — 66.00 Emetine Alk., 15 gr. vialsea. — 1.00 Hydrochloride, (1 oz.)oz. 16.00 — 17.50 15 gr., vials  | Hydrogen Peroxide, U.S.P.,  10 gr. lots 4-oz. bottgross 7.50 - 7.75 8-oz. bottgross 11.00 -11.25 16-oz. bottgross 18.50 -18.75 Hydroquinone, 100 lbs   | Citrate  | 1.40 — 1.50<br>1.60 — 1.70<br>,12 — ,13<br>.06 — .07<br>.18 — .21<br>— — 3.20 |
|  | Hyoscine Hydrobrom, 5 ozs.oz. 17.00 -17.50 Hyoscyamine Alkaloid, (1 oz.) oz  | Hypophosphite lb. Oxide lb. Peroxide, cans lb. Salicylate, 100 lbs. lb. Sulfate, (See Epsom Salt) Malt Syrup kegs lb.  | 1.20<br>53<br>2.15<br>62  |
| Ether, U.S.P., 100 lb. drums.lb14 Washed, bulk   | Tincture, U.S.P., 50 gal. bbl. gal. — 4.25 Iodoform, powdered, 10 lbs. b. — 5.25 Crystals  | Manganese Glycerophoslb. Hypophosphite, U.S.P., VIIIb. Iodide  | 2.90<br>1.85 - 190<br>6.25<br>30  |



## Acetic Acid

COMMERCIAL **PURE** 

REDISTILLED GLACIAL

Manufactured by

- THE -

## Grasselli Chemical Co.

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The Grasselli Chemical Co., Ltd. TORONTO MONTREAL

## WOOD ALCOHOL

(ALL GRADES)

The Miner Edgar Company Rail and Water Facilities 110 William Street New York



DRUG

Menthol Mercury Bisulf Blue Pow Blue 33 1-50 1 Citrin Corror Pow Iodid Red Pow White Pow With Mercu

Methy

Milk, Minera Morph Hydr Hydr Sulfa Diace Diace Ethy Sma

Opium Gr. Po Oxgal Pancre Papair .00 .09 .06%

#### Fine Chemicals

| Maccury, 75   D. flasks a. 55.0 - 5.65   |                                 |             |                                 |           |                                    |            |   |      |
|--|---------------------------------|-------------|---------------------------------|-----------|------------------------------------|------------|---|------|
| Billum Mass   D.   | Menthol, 60 lb. cases           | 5.50 — 5.65 | Paraformaldehyde, 100 lbsfb.    |           |                                    |            |   |      |
| Dark Amber   | Mercury, 75 lb. flasksea. 5     | 5.0056.00   | Pepsin Powd., U.S.Plb.          |           |                                    |            |   |      |
| December    | Bisulfatetb.                    | 55          | Petrolatum, green, 350 bblsfb.  |           | Imported, Java, 100 ozsoz.         |            |   |      |
| Bine Cint., 30 p.c.   b.   56   A3 1-3 p.c.   b.   59   Si p.c.   b.   59   D.c.   b.   59   Si p.c.   b.   59   D.c.   b.   50   D.c.      | Blue Masstb.                    | 56          | Dark Ambertb.                   |           | Imported, Jap., 100 oz.tins.tb.    | .49        | - | .5   |
| 1  | Powderedtb.                     |             |                                 |           | Quinine Bisulfate, 100 oz. tinsoz. | -          | - | .5   |
| 33   3   3   5   5   5   5   5   5   5   |                                 |             |                                 |           |                                    | _          | _ | .6   |
| Cirrine Ointment   | 33 1-3 p.ctb.                   |             |                                 |           |                                    |            |   |      |
| Calomel. Amer.   15.   - 94   Corrosive Sublimate, cryst.b.   - 94   Phosphorus, yellow   15.   - 3.6   Pilocarpine, Hydcblor. 25 ozs.o. 975   - 10.0   Powdered Granular   15.   - 3.6   Pilocarpine, Hydcblor. 25 ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.6   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.4   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.4   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.4   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   - 3.4   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Powdered   15.   Pilocarpine, Hydcblor. 25   Ozs.o. 975   - 10.0   Pilocarpine, Hydcblor. 2   |                                 |             |                                 |           | Arsenateoz.                        | _          | _ | .9   |
| Properties   Sublimate, cryst.   |                                 |             |                                 |           | Benzoateoz.                        |            | _ | .90  |
| Powdered Granular   th.  |                                 |             |                                 |           | Citrate                            |            |   |      |
| Nitrate  |                                 |             |                                 |           | Dihydrochlorideoz.                 |            |   |      |
| Mile   Description   Descrip   |                                 |             |                                 |           | Dihydrobromideoz.                  | -          | - | .6   |
| Plaster Paris, true dental.bbl. 4.35 - 4.50   Port Paris, true dental.bbl. 4.35 - 4.25   Port Paris, true dental.bbl. 4.37 - 4.25   Port Paris, true dental.bbl. 4.35 - 4.25   Port Paris dental.bbl. 5.75   Port Paris dental.bbl. 5.75   Port Paris dental.bbl. 5.75   Port Paris dental.bbl. 5.75   Port Paris dental.bbl. 4.35   Port Paris dental.bbl. 4.3   Port Paris dental.bbl. 4.35   Port Paris   |                                 |             | Nitrateoz.                      |           |                                    | _          | - | 2.0  |
| Podered  |                                 |             | Piperazine Hydratelb.           |           | Ethyl Carbonateoz.                 | _          | - | 1.1  |
| Powdered   1.5   -1.18   Potassium acetate   1.5   33   3.5     Pormate   1.5   Potassium acetate   1.5   Potassium acet   | Yellow                          |             |                                 |           | Rerrocvanide oz                    | _          | _ | 0    |
| White Precipitate   1b.   -   1.18   Powdered   1b.   -   1.28   Bicarbonate, U.S.P.   1b.   07   -   09   Bisulfate   1b.   -   00   Bromate, IOS.P.   1b.   10   Bromate, IOS.P.   1b.   10   Bromate, IOS.P.   1b.   10   Bromate,   |                                 |             | Podophyllin                     |           |                                    |            |   |      |
| Powdered   |                                 |             | Potassium acetatetb.            |           |                                    |            |   |      |
| Powdered   15.   |                                 |             | Bicarbonate, U.S.Ptb.           |           | Glycerophosphateoz.                | -          | _ | .9   |
| Mineral Oil   Marginal Preps.   basis   S0   lb.   lots, in   boxes or tlns.   lower   bright   lots, in   boxes or tlns.   lots, in   |                                 |             |                                 |           | Hydriodideoz.                      | _          | _ | .9   |
| Strong   Crystals   100   105   10   |                                 | 56          | Bromate, 100 lbslb.             |           |                                    |            |   |      |
| Methyl Acetone, drumsgal 50 - 55   Imported, U.S.P.   bb 15 16   Carbonate, U.S.P.   bb 15 16   U.S.P.   bb 15 16   U.S.P.   bb 10 10   U.S.P.   bb 10   U.S.P.  |                                 |             | Bromide Crystals, 100 fbsfb.    |           |                                    |            |   | - 2  |
| Methyl   salicylate, see Aromatic Chemicals   Methyleng Blue, medicinal.   b. 3.00 = 3.00   Methyleng Blue, medicinal.   b. 3.00 = 3.00   Milk, powdered   b. 14 = 1.5   Milk, powdered   b. 15   b. 16   b. 175   b. 16   b. 175      |                                 | #A ##       |                                 |           | Hydrochlorideoz.                   | _          | - | .6   |
| Milk, powdered   Milk   |                                 |             |                                 |           | Japaneseoz.                        | - Markette | - | .6   |
| Caustic. U.S.P. (by alconol)   D.   A   A   A   B  | Methyl salicylate, see Aromatic | Chemicals   |                                 |           | Hydrochlor & Urea                  |            |   | 0    |
| Mineral Oil.   white   gal.   75   1.25     Morphine, Acet.   10-0z.   in   5s.0z.   -4.90     Hydrobromide,   10-0z.   in   5s.0z.   -4.90     Sulfate,   10-0z.   in   5s.0z.   -4.90     Sulfate,   10-0z.   in   5s.0z.   -4.90     Sulfate,   10-0z.   in   5s.0z.   -4.90     Hydrobromide,   10-0z.   in   5s.0z.   -4.90     Sulfate,   10-0z.   in   5s.0z.   -4.90     Sulfate,   10-0z.   in   5s.0z.   -4.90     Hydrobromide,   10-0z.   in   5s.0z.   -4.90     Hydrobromide,   10-0z.   in   5s.0z.   -4.90     Sulfate,   10-0z.   in   5s.0z.   -4.90     Hydrobromide,   10-0z.   in   10-0z.   -4.90     Hydrobromide,   10-0z.   in   5s.0z.   -8.50     Hydrobromic,   10-0z.   in   | Methylene Blue, medicinalIb.    | 3.00 - 3.50 |                                 |           |                                    |            |   | 100  |
| Mirphine, Acet., 10-oz. in 5s.oz.   -4.90   Mydrobromide, 10-oz. in 5s.oz.   -4.90   Hydrobromide, 10-oz. in 5s.oz.   -4.90   Hydrobromide, 10-oz. in 5s.oz.   -4.90   Sulfate, 10-oz. in 5s.oz.   -4.90   Sulfate, 10-oz. in 5s.oz.   -4.90   Diacetyl, Alk., 10 oz., 4s.oz.   -8.90   Diacetyl, Alk., 10 oz., 4s.oz.   -7.60   Ethyl Hydel., 10 oz., 4s.oz.   -7.60   Ethyl Hydel., 10 oz., 4s.oz.   -8.95   Small sizes: 4s 50c extra, 4s 25c, single ounces 7c extra per oz.   -6.00   Sizes at the sizes   -6.00   Diacetyl, Alk., 10 oz., 4s.oz.   -7.00   Diacetyl, Alk., 10 oz., 4s.oz.   -8.95   Diacetyl, Alk., 10 oz., 4s.oz.   -7.60   Diacetyl, Alk., 10 oz.,   | Milk, powderedtb.               | .14 — .15   | U.S.P. purified                 |           |                                    |            |   |      |
| Morphine, Acet., 10-oz. in 5s.oz   | Mineral Oil, whitegal.          | -75 - 1.25  | Chlorate, Imp., Powd            |           | LactateQZ.                         | _          | _ | .8   |
| Hydrobromide, 10-oz. in 5s.oz. — 4.90 Hydrochloride, 10-oz. in 5s.oz. — 2.5 Hypophosphite, 10-oz. in 5s.oz. — 2.5 Hypophosphite, 10-oz. in 5s.oz. — 2.5 Hypophosphite, 10-oz. in 5s.oz. — 2.5 Hydrochloride, 10-oz. in 5s.oz. — 2 |                                 | 12776       | Citrate, bulk, U.S.Plb.         |           | Phenolsulfonateoz.                 | -          | _ |      |
| Hypochloride, 10-oz, in 5s.oz.   -4.90     Sulfate, 10-oz, in 5s.oz.   -4.90     Diacetyl, Alk., 10 oz., \( \frac{4}{8} \) oz.   -4.90     Diacetyl, Alk., 10 oz., \( \frac{4}{8} \) oz.   -8.40     Diacetyl, Hydel., 10 oz., \( \frac{4}{8} \) s.oz.   -7.60     Ethyl Hydel., 10 oz., \( \frac{4}{8} \) s.oz.   -8.95     Small sizes: \( \frac{4}{8} \) 50c extra, \( \frac{4}{8} \) 60c extra, \(    | Hudsohromida 10.02 in 58.02     |             |                                 |           |                                    |            |   |      |
| Hypophosphite   Dalacety  Alk, 10 oz., \( \frac{1}{3} \) so. \( \cdot \) so. \( \cdot \) = -7.60   |                                 |             | Guaiacol Sulf. (10-25 lbs.). b. |           |                                    |            |   |      |
| Diacetyl, Alk., 10 oz., 48. oz. — 8.40 Diacetyl Hydel., 10 oz., 48. oz. — 7.60 Ethyl Hydel., 10 oz., 48. oz. — 7.60 Ethyl Hydel., 10 oz., 48. oz. — 8.95 Small sizes: 1/45 S00 extra, 4/45 25c, single ounces 7c extra per oz. Opium cases, U.S.P  |                                 |             | Hypophosphite, bulk             |           | Salicylateoz.                      | _          | _ | .7   |
| Diacetyl Hydel. 10 oz. %s.oz.   -7.60  |                                 | - 9.40      | lodide, bulkb.                  |           | Tannateoz.                         | 97797      | - | . 4  |
| Ethyl Hydel, 10 oz., %a. oz. — 8.95 Small sizes: ½s 50c extra, ¼a 25c, single ounces 7c extra per oz. Opium cases, U.S.P. bb. — 6.00 Granular bb. — 7.00 Powdered, U.S.P. bb. — 7.00 Qxall, pure, U.S.P. bb. — 1.50 Pancreath bb. 1.50 - 1.60 Powdered, 400 lb. bbls. bb Date opnosphate  Oz. — 42 Small sizes: single ounce vials, 50 oz. lots, 5c oz. oz. tots, 5c oz. extra; single 1 oz. vials, 7c oz. extra; oz. extra; single 1 oz. vials, 7c oz. extra;      |                                 | 7 60        | Second Handsb.                  |           |                                    |            |   | - 4- |
| Small sizes: 4/s 50c extra, 4/s 50c extra, 4/s 25c, single ounces 7c extra per oz.   Small sizes: single ounces 7c extra per oz.   Opium cases, U.S.P., 230   Opium cases, U.S.P., 25c   Opium cases, U.S.P., 25   | Ethyl Hydel. 10 oz 48 oz        |             |                                 | 90        | Tartiale                           | _          | - | . 9  |
| 10   10   10   10   10   10   10   10  | Small sizes: 16s 50e extra.     | 0.70        | Nitrate, see Saltpetre          | 40 40     | Valerateoz.                        | -          | - | .9   |
| Fernangianate, U.S.P.   15.   14   15   15.   15.   16.   17.   15.   18.   18.   19.      |                                 |             | Oxalate, Neutral                | .40 — .42 |                                    |            |   |      |
| Opium cases, U.S.P.         b.         — 6.00 Granular         Salicylate         b.         — 75 Sulfate, C.P.         extra; 5 oz. cans, 50 oz. lots, 3c oz. extra; single 1 oz. vials 7c  |                                 |             | Permanganate, U.S.P., 220       | 44 45     |                                    |            |   |      |
| Granular bb 7.00 Sulfate, C.P bb 35 Sulfate, C.P bb 35 Sulfate, C.P bb 50 Sulfate, C.P bb   |                                 |             |                                 |           |                                    |            |   |      |
| Powdered, U.S.P.   1b.   - 7.00   Tartrate   1b.  60   Oxgall, pure, U.S.P.   1b.   - 1.50   Powdered, 400 lb.   bbls.   1.50   - 1.60   Powdered, 400 lb.   1.75   1     | Opium cases, U.S.P              | 6.00        |                                 |           |                                    |            |   |      |
| Orgall, pure, U.S.P tb 1.50 Punice Stone, lump, 350 bbl. tb tb 02½   |                                 |             | Sulfate, C.Plb.                 |           |                                    | 50-        |   |      |
| Orgall, pure, U.S.P  |                                 | 3.3.        |                                 |           |                                    | 70         | _ | . 7  |
| Pancreatin   | Oxgall, pure, U.S.Pb.           | -1.50       | Pumice Stone, lump, 350 bbl.tb. |           |                                    |            |   |      |
|  | Pancreatintb.                   | 1.50 - 1.60 | Powdered, 400 lb. bbls          | .021/203  |                                    |            |   |      |
| Pagain Pagain 1 Puridin - 1/2   1 echnical, See Intermediates  |                                 |             | Pyridingal.                     | 1.75      | Technical, See Intermediates       | 2./3       |   | 1.3  |
| Papain   | rapain                          | 2.23 - 2.30 | jinuid                          |           | ,, occcanediates                   |            |   |      |

# QUININE Sulphate and Minor Salts

Unexcelled in Uniformity of Quality Brilliant Crystallization and Purity of Color

#### Cinchonine, Cinchonidine Quinidine

and their Salts

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CAFFEINE QUINIC ACID

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N. V. Amsterdamsche Chininefabriek

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78 FRONT ST., Cor. Old Slip, NEW YORK



#### Fine Chemicals

|   |                       |                                |                 |                                     |      | -             |
|---|-----------------------|--------------------------------|-----------------|-------------------------------------|------|---------------|
| Rochelle Salts, crystalsfb.                           | 21                    | Sod. Hypophosphite, U.S.Ptb.   |                 | Sugar of Milk, bbls                 | .21  | 23            |
| Imported, U.S.Ptb.                                    | .1718                 | lodide, 25 lb. boxtb.          |                 | Sulfonal, 100-oz. lotsoz.           |      | 37            |
| Rosewater, triplegal.                                 | 1.25                  | Nitrate, U.S.P., Bblstb.       |                 | Sulfonethylmethane, U.S.Ptb.        | -    | - 5.50        |
| Saccharin, U.S.P., 100 lbsfb.                         | 1.90 - 1.95           | Oxalate, Neutraltb.            |                 | Sulfonmethane, U.S.Ptb.             | _    | - 4.50        |
| Resaletb.   |                       | Peroxide, tinstb.              | .25 — .27       | Sulfur Iodide, U.S.Ptb.             | -    | - 3.95        |
| Salicin 25 lbstb.                                     | 4.25 - 4.50           | Phosphate, U.S.P., grantb.     | .07071/2        | Sulfur, roll, bblslb.               | 2.15 | - 2.70        |
| Salol, U.S.P., bulktb.                                | 80                    | Recrysttb.                     | 13              | Flour, 100 p.c. pure100 lbs.        | 2.50 | - 3.15        |
| Saltpetre, Double ref. bblstb.                        | .06340854             | Pyrophosphatetb.               |                 | Flowers, 100 p.c. pure100 lbs.      | 3.00 | - 3.65        |
| Santonin, cryst., (1-10 lbs) lb.                      | 67.00 -170.00         | Salicylate, U.S.P., 100 tbstb. | 32              | Precip., U.S.Plb.                   |      | 19            |
| PowderedIb.   | 68.50 —171.50         | ResaleIb.                      | 28              | Lac Sulfur                          |      | 10            |
| Saponin (Ex Quillaja) (100                            | 1.55                  | Sulfate (Glauber's Salt).cwt.  |                 | Tartar Emetic, techtb.              |      | 31            |
| lbs.)tb.<br>Seidlitz Mixture, bblstb.                 | 1.33<br>17            | Needle Crystalsewt.            |                 | Talcum, Amer., bags100 lbs.         |      |               |
| Silver Nitrate, 500 oz. lotsoz.                       | .471/248              | Sulfocarbolatetb.              |                 | Purified100 lbs.                    |      |               |
| Nucleinate, 100 ozsoz.                                | 40                    |                                | -               | Terpin Hydrate                      |      | 61            |
| Proteinateoz.   | 42                    | Spartein Sulfate, (25 ozs.)oz. |                 | Theobromine Alkaloidtb.             |      |               |
| Colloidaloz.  | 1.60                  | Strontium Brom. 50 lb. bxtb.   | 29              | Thymol, crystals, U.S.P             |      |               |
| coap, Castile, white pure                             | .20 — .25             | Carbonate, pure                | 28              | Iodide, U.S.P., bulk                |      |               |
| Powd., U.S.P., bblsfb.                                | .30 — .32             | Iodide, bulktb.                | — − 3.50        | Tin bichloride see Heavy Chem       |      | - a.uu        |
| Green, U.S.P  | .08 — .081/2          | Nitrate, Kegstb.               | .121/213        | Oxide, 500 lb. bbls                 |      | ••            |
|   | .12 — .13             | Salicylate, 100 lbstb.         | 60              |                                     |      | 38            |
| Sodium Acetate, U.S.P., gran.lb.                      |                       | Strychnine Alkd., cryst., 100  |                 | Crystalsb.                          | .29  | 31            |
| Benzoate, gran., U.S.Ptb.                             | .50 — .60             | oz. tinsoz.                    | 1.05            | Toluene, See Coal Tar Crudes        |      |               |
| Bicarb., U.S.P., bblscwt.                             |                       | Alkaloid, Powdoz.              | 95              | Tribromphenoltb.                    |      | <b>— .85</b>  |
| Bromide, U.S.P., 50 lb. bxtb.                         |                       | Acetateoz,                     | 95              | Trionaloz.                          |      | 45            |
| Imported, U.S.Ptb. Cacodylate, 25-50 lbstb.           | .15 — .16<br>— — 4.60 | Glycerophosphateoz.            | <b>— — .9</b> 5 | Urea. Imp. Pharmaceutical tb.       |      | 40            |
| Caustic, U.S.P., See Sod. Hydr                        | roxide                | Hydrobromideoz.                | 95              | Veratrine Sulfate, (1 oz.)oz.       |      | <b>— 2.50</b> |
| Chlorate, U.S.P., 8th Rev.                            |                       | Hydrochlorideoz.               | 95              | Hydrochlorideoz.                    | -    | - 2.50        |
| Crystals, c.b., 10 lbsfb.                             |                       | Hypophosphiteoz.               | 1.05            | Witch Hazel, Ext., dbl dist.,       |      |               |
| Granular, c.b., 10 lbstb.<br>Chloride, C. P., bblstb. | .16 — .17<br>— — .06  | Nitrateoz.                     | 95              | 50 gal. bblsgal.                    |      |               |
| Citrate, U.S.P., Cryst. VIIIIb.                       | 60                    | Phosphateoz.                   | 95              | Yohimbin Hydehl., (1 oz.)oz.        |      | -12.50        |
| VIIIlb.   | 60                    | Sulfate, crystals, powdoz.     | 76              | Zinc Carbonate, U.S.P., precip. to. |      | 37            |
| Granular, U.S.P., gran.IX.lb.                         | 73                    | Saccharinateoz.                | 2.05            | Chloride, U.S.P                     |      | 35<br>42      |
| Cyanide 996-98, see Heavy Che Glycerophosphatelb.     |                       | Strychnine preps. basls 100    |                 | Nitrate                             |      | - 4.50        |
| Solution U.S.P. cbyslb.                               | 1.15                  | Small sizes: 3/4s 50c extra,   |                 | Iodide, bulk                        |      | - 4.50<br>16  |
| Solution 50% cbyslb.                                  | 1.00                  | 1/4s 25c single ounces 7c      |                 | Stearatetb.                         | .20  | 25            |
| Hydroxide, U.S.Plb.                                   | 18                    | extra per oz.                  |                 | Sulfate, U.S.Pb.                    | -    | 08            |
|   |                       |                                |                 |                                     |      |               |

## Standard Dyes of **Uniform Quality**

Fast Light Yellow---

Fully equal to pre-war European Products in fastness to sunlight and other properties

Tartrazine---

Standard and concentrated types

Kanawha Chrome Black E H K---

Soluble, a Jet Black suitable for vigoureux printing

Kanawha Chrome Fast Black D---

Not affected by IRON, suitable for dyeing in new Franklin machine

Kanawha Chrome Blue Black 6 B---Soluble, suitable for vigoureux printing

Alizarine Dyes---

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1816



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Hyd 30

1922

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5.50 4.50 3.95 2.70 3.15 3.66 .19 .10

.30 .00

#### Heavy Chemicals

#### Heavy Chemicals

| meary enemie   |              |    |               |
|--|--------------|----|---------------|
| ACIDS  |              |    |               |
| Acetic, carlots and 10 barrel<br>lots, spot, bbls. extra<br>28 p.c. bbls100 lbs. | c/1<br>2.25  |    | lc/1<br>2.62½ |
| 56 p.c., bbls100 tbs.  |              |    |               |
| 70 p.c., bbls100 fbs.  |              |    |               |
| 80 p.c., bbls., Com'l.100 tbs.   |              |    |               |
| 80 p.c., bbls., pure. 100 tbs.   |              |    |               |
| Glacial, bbls100 fbs.  |              |    |               |
| Chlorosulfonic, 93-95 p.ctb.   |              |    |               |
| Hydrobromic, 10 carboys and  |              |    |               |
| single carboys, spot.  |              |    |               |
| Commercial, 48 p.ctb.  | .35          | -  | .37           |
| Pure, 40 p.ctb.  | _            | _  | .40           |
| Hydrofluoric, barrels and car-<br>boys, carlots and less.                        |              |    |               |
| 30 p.c. bblstb.  | -            | _  | .07           |
| 48 p.c. in carboys   | .10          | -  | .11           |
| 52 p.c. in carboystb.  | .11          |    | .12           |
| 60 p.c. in carboysfb.<br>White Acid, wks., cbysfb.                               | .25          | _  | .26           |
| Hydrofluosilicie 35 p.ctb.<br>Lactle, 22 p.c., darktb.                           | .04          | _  |               |
| 22 p.c., lightb.   |              | -  |               |
| 44 p.c., lightb.   |              | _  |               |
| 44 p.c., darkb.  |              | 4_ | .10           |
| 66 p.cb.   |              | -  |               |
| MIXED (Sulfuric-Nitric)  | 48.47        | 2  | . 1           |
| Drums, wks., per N unit  | .073         | 4- | .08           |
| per S unitunit   | .01          | _  | .0114         |
| Tank cars, wks., per N unit  | .073         | 2- | .08           |
| per S unitunit   | .009         | -  | .01           |
| MURIATIC (Iron-free) 20°, Chys., c/l, wksch Tank cars, wksnet ton                | vt.<br>20.00 | -2 | 1.25          |

| ACIDS  |              |                  |
|--|--------------|------------------|
| MURIATIC (Commercial)                              |              |                  |
| 20 deg. Cbys., lc/l wkscwt.                        |              | - 1.75           |
| Cbys., c/l wkscwt.                                 |              | - 1.50           |
| Tank cars, wkscwt.                                 |              | - 1.10           |
| 18° 140lb. cbys.,c/l wks.cwt.                      |              | -1.25 $-2.00$    |
| 22° 140lb. cbys.,c/l wks.cwt.                      | 1.40         | - 2.00           |
| NITRIC   | r r0         | 6.15             |
| 36°, Chys., single, wks.cwt. Chys., c/l, workscwt. | 5.50<br>4.75 | - 6.15<br>- 5.25 |
| 38°, Cbys., single, wks.cwt.                       |              | - 6.55           |
| Cbys., c/l, wkscwt.                                | 5.00         |                  |
| 40°, Cbys., single, wks.cwt.                       |              | - 7.15           |
| Cbys., c/l, wkscwt.                                | 5.25         |                  |
| 42°, Cbys., single, wks.cwt.                       | 7.25         |                  |
| Cbys., c/l. wkscwt.                                |              | -7.00            |
| Oxalic, 10 bbls., wkstb.                           | .137         | 814<br>14        |
| Spot, bbls   | assirate     |                  |
| Phosphoric, 50 p.c., techtb.                       | .08          | 09               |
| Syrupy, 85-88 p.cb.                                | .15          | 16               |
| Pyroligneous, Techgal.                             | .10          | 109              |
| SULFURIC 66°, cbys., lc/l, wkscwt.                 |              | - 1.40           |
| Cbvs c/l. wkscwt.                                  | -            | - 1.25           |
| Drums, 1c/l, wkscwt.                               | -            | - 1.10           |
| Drums, c/l, wkscwt.                                |              | -1.00            |
| Tank cars, wksnet ton                              | 14.00        | -16.00           |
| 60°, Drums, lc/l, wkscwt.                          | .70          |                  |
| Drums, cl., wkscwt.                                | .60          |                  |
| Tank cars, wksnet ton<br>Oleum, 20 p.c., drums,    | 9.00         | -11.00           |
| lc/l, wkscwt.                                      | 1.25         | - 1.50           |
| Drums, c/l, wkscwt.                                | 1.10         |                  |
| Tank cars, wksnet ton                              | 18.00        | -19.00           |
| Contract cars, wkston                              |              |                  |
| Oleum, 40 p.c., drums,                             | 17.00        | 10.00            |
|  |              | 07.00            |
| lc/l, wksnet ton                                   | _            | -35.00           |
| Oleum, 60 p.c., drums,                             |              |                  |
| lc/l, wksnet ton                                   |              |                  |
| Sulfurous com. cylinderstb.                        | .08          | 09               |
| Tannic, Tech. barrels fb.                          |              | 55               |
| Tungstictb.  | -            | - 1.00           |
|  |              |                  |

| _ |                                  | _      | _      |          |
|---|----------------------------------|--------|--------|----------|
| 1 | Acetone, C.P.Drums, C/L & L.tb.  | .08    | _      | .11      |
|   | Acetic Anhydride, 85 p.c.drs.tb. | 37     | _      | 40       |
| 1 | Acetyl Chloride, Redistilled.tb. |        | -      |          |
|   | Alums, carlots in barrels, and   |        |        |          |
|   | . 10 horrole anot                |        |        |          |
|   | Ammonia, lump100 lbs.            | 3.25   | -      | 3.50     |
| 1 | Imported                         | _      | -      | -        |
|   | Ground100 lbs.                   | 3.40   |        |          |
|   | Powdered100 lbs.                 | 3.50   |        |          |
|   | Chrometb,                        | .063   | 1-     | .07      |
|   | Potash lumptb.                   | 4.25   |        |          |
|   | Importedtb.                      | .023   |        |          |
| į | Groundlb.                        | 4.35   |        |          |
|   | Powderedb.                       | 4.50   |        |          |
|   | Chrome                           |        | 2      |          |
| 1 | Soda, Ground100 fbs.             | 3.50   | _      |          |
|   | Aluminum chloride, carboys. ib.  | .35    |        |          |
| i | Anhydrous, drums                 | .95    | -      | .40      |
|   | Iron-free, Bags, c/l, con-       |        |        |          |
|   | tract, wkscwt.                   | * 4    | -      | 2 25     |
| , | Bags, c/l, pmpt., wks.cwt.       | 2.25   |        |          |
| 1 | Importedcwt.                     | 2.10   |        |          |
| 1 | Com'l., (1/2 p.c. iron), bgs.    | 200 40 |        | to to to |
|   | c/l cont., wks.East.cwt.         |        | -      | 1.40     |
|   | Bags, c/l, pmpt.,wks.E.cwt.      |        | -      |          |
| į | Bags, c/l.pmpt.,wks.W.cwt.       | -      | _      | 1.35     |
| ı | Bbls., c/l.,cont.wks., E.cwt.    | _      | -      | 1.55     |
|   | Bulk, c/l., cont.wks., E.cwt.    | -      | name I | 1.35     |
|   | Aluminum hydrate light tb.       |        |        | .18      |
|   | Oxide c-1 bbls wkstb.            | .08    | _      | .081/4   |
|   | Ammonia, Anhydrous, cyltb.       | -      | _      | .30      |
|   | Ammonia Water, Drums and         |        |        |          |
|   | carboys.                         |        |        |          |
|   | 26 deg                           |        | 4-     |          |
| ı | , Imported, drs., incl           |        | -      |          |
| 1 | 20 degb.                         |        | _      |          |
|   | 18 degb.                         |        | 3-     | .073%    |
|   | Ammonium Bifluoride, bbls. fb.   | .00    | _      | .07      |
|   | Imported                         |        | _      |          |
|   | Carbonate, bblstb.               | 061    | 1-     | .081/5   |
| 1 | Lactate                          | 15     | _      | .16      |
|   | Nitrate                          |        | 1-     |          |
|   | Persulfate, cases                | -      | _      | .50      |
| 1 |                                  |        |        |          |



## Caustic Potash Sal Ammonia Trisodium Phosphate

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Telephone Murray Hill 0262

Plants

Carteret, N. J.

South Charleston, W. Va.

DRUG

Potash lo Dome Imp Dome

Por Bino

Carb Hy 90-95 96-98 Chlo in Crys Im Pow Im

Meta Nitr Pero Peri In

Salt

Imp

#### Heavy Chemicals

| Am. Sal Ammoniac, barrels, cars and less, spot.  Gray, rough b          | Cal. Chlor. Fl'd, f.o.b. N.Y.ton ——30.50 Anhydrous single drums lb. 1.12 — .13 Lactate | Sulfate, basic white tb. White, Basic Carb., Amer. dry the basic Carb., and the basic                           |
|---|--|--|
| Golden, No. 1tb1620   | Subacetate (Verdigris)tb3537   | Calcinedton55.00   |
| Tartrolactate   | C/L delivered100 tbs. 6.00 - 6.10  | bbls. carlots and 10 bbls.   |
| Red, 50 to 200 kg. drums. b121/213                                      | stitute)tb30   | Importedtb90 - 1.00  |
| Barium, chloride, bblston100.00   | Ferric Chloride, crystb081/2   | Chloride, fused, f.o.b. wks.ton30.00   |
| Binoxide  | Ferrous Chloride, crystb060614   | Flaked, f.o.b, wkston32.00<br>Fluosilicate, 30 p.c.soln.100 fbs. 8.00 -10.00   |
| Carbonate, bbls., c/l & lesston 75.00 —85.00<br>Importedton — —60.00    | Flake White, bbls  | Dioxide, 80-84 p.c., 10 bbls.ton 80.00 -85.00  |
| Importedtb0734— .08   | 98 p.c. ex-dockton — —35.00  | Sulfate, bblstb1011  |
| lanc Fixe,ton 80.00 -85.00  |  | Salts, single  |
|   | Fusel Oil, crude, drumsgal. 1.35 — 1.65<br>Refined, 10 drum lotsgal. 2.15 — 2.40       |  |
| F.o.b. wks., Contract. 100 fbs. — — 1.60<br>Prompt                      | Kieselguhr bgs., C/L & less.<br>100 fbs. 1.75 - 2.00                                   | Paris Green  |
| Export, f.a.s   | Lead Acetate, Barrels, freight allowed.  | Paris White  |
| spot  | White cryst  | Imported   |
| Arsenate, bbls  | White, broken  | Importedtb28   |
| Carbonate, bags100 lbs. 1.00 - 1.35 Chloride, solid, f.o.b.N.Y.ton24.50 | Brown, broken  | Sesquisulfide, 105 lb. cases.tb421/3   |
| Importedton — —20.50 Granulated, f.o.b. N.Yton — —30.50                 | Paste, bbls  | Trichloride  |
|   |  | and the second s |

## Victor Chemical Works

Chicago

St. Louis New York Nashville

Manufacturers

of

## PHOSPHATE OF SODA TRI SODIUM PHOSPHATE

**EPSOM SALTS** 

**Technical** 

U. S. P.

Ammonium Phosphate Baking Powder Chemicals

#### ACIDS-

Oxalic— Formic— (99.5% Pure) (All strengths) Phosphoric

# NITRATE SODA

DOUBLE REFINED CRYSTALS GRANULATED OR POWDERED



## **BATTELLE & RENWICK**

Estb. 1840 Incp. 1902 80 Maiden Lane, New York, N. Y.

.0734 .0654 .0754 .0654 .0534 .0154 .75 .00 .12

## Heavy Chemicals

| Potash, Caustic, drums, car-<br>lots and less, F.o.b. N. Y.  |         |        | Note: Prices on seda alkalies<br>are based on actual per-     |       |                |
|--|---------|--------|---|-------|----------------|
| Domestic 88-92 p.c   | .08 -   | .10    | centages and not N. Y. &<br>L. test.                          |       |                |
| Importedtb.  | .055%-  |        | Soda Ash, 58 p.e. light, bgs.,                                |       | . 1            |
| Domestic, 70-75 p.c  |         | _      | resale spot flat100 lbs.<br>Contract, Basis 48 p.c. carlots   | 1.80  | - 2.10         |
| Potassium Bichromate, Barrels,   |         |        | wks., Bags100 fbs   | _     | - 1.20         |
| carlots and less, spot.  |         |        | Prompt and spot, Basis 48 p.t.                                |       | - 1.30         |
| Crystalstb.  | .093/4- | .10    | carlots, wks., bags100 fbs.<br>Soda Ash, 58 p.c. dense, bgs., |       | - 1.30         |
| Powderedtb.  | .13 —   |        | resale, spot flat 100 fbs.                                    | 1.90  | - 2.00         |
| Binoxalate, tech., crys.bbls.tb.   | .35 -   |        | Contract, Basis 48 p.c. carlots                               |       | - 1.25         |
| Carbonate, 80-85 p.c., bbls.tb.  | .0434-  |        | wks., Bags190 fbs.<br>Prompt and spot, Basis 48 p.c.          | 100   | - 1.23         |
| Hydratedb.   | .061/4- |        | carlots, wks., bags. 100 fbs.                                 | 1.30  | - 1.35         |
| 96-98 p.c  | .051/2- |        | Soda, Caustic, 76 p.c. solid, re-                             | 0 77  | 2.00           |
| Chlorate, Carlots and less   |         |        | sale spot, flat100 lbs.<br>Contract, Basis 60 p.c., wks.      | 3.75  | - 3.80         |
| in 112 lb. kegs  | 19      | -      | carlots100 fbs.   | -     | -2.50          |
| Crystals, American 7b.   | .08 -   | .10    | Prompt and spot, Basis 60                                     | 0 877 | 2.00           |
| Imported   |         | .061/2 | p.c. wks., carlots100 fbs.<br>Contract 60 p.c. low grade      |       | <b>4— 2.60</b> |
| Powdered, Americantb.  | .08 -   | .10    | cars wks. flat100 tbs.  | _     | -2.65          |
| Importedtb.  | -       | .06%   | Ground and flake, 76 p.c. wks.,<br>prompt and spot, carlots,  |       | 4.14           |
| Pyrotechnic, 200 mesh,imp.fb.  | .07 —   |        | drums, flat100 tbs.   | _     | - 3.724        |
| Murlate, basis 80 p.c.,bgs.unit  | .60 —   |        | Contract, 76 p.c. wks., car-                                  |       |                |
| Metabisulfite  | .15 —   |        | lots, drums, flat100 lbs.                                     |       | - 3.65         |
| Perchlorate, 10 bbls. & less. tb.  | .063/4— |        | Sodium Acetate, bblstb. Aluminum Sulfate, bbls.100 lbs.       |       | - 4.00         |
| Permanganate, Com'l., bbls.tb.   | .14 -   | .16    | Bicarbonate, bbls.&kgs.100 fbs.                               |       | - 2.25         |
| U.S.P. See Fine Chemicals  | .14 —   | .16    | Bichromate, bbls. C/L &                                       | mi.   | 40734          |
| Potass., Prussiate, red  | .85 —   | .90    | Bisulfite, Powd   |       | 043            |
| Yellow, caskstb.   | .321/2- | -33    | Solution 32-40 deg100 ths.                                    | 1.35  | - 2.00         |
| Sulfateunit  |         |        | Carbonate Sal. bbls100 ths.                                   |       | - 1.90         |
| And the second s | T -     |        | Chlorate, 10 bblstb.  |       | 406            |
| Salt, techton 1<br>Salt Cake, Glassmaker's, wks.   | 2.00 —1 | 5.00   | Chloride, techton   |       |                |
| bulk C/Lton 2  | 0.00    | 1 00   | Cyanide, 96-98 p.c., caseb.                                   |       | 27             |
| Saltpetre, bbls C/L & lesstb.  |         |        | 73-76 p.ctb.  | .224  | 24             |
| Imported   |         |        | *Imported 120 p.ctb.  |       | 21<br>23       |

|   | a digner Print sec. 11/8 2         |         |    | 442    |  |
|---|------------------------------------|---------|----|--------|--|
|   | Sodium Fluoride, bblsfb.           | 001     | -  | .10    |  |
|   | Importedb.                         |         | -  |        |  |
|   | Hydrosulfitelb.                    | .30     | _  | -34    |  |
|   | Hyposulfite, Barrels and kegs,     |         |    |        |  |
|   |                                    | 3.10    |    | 3.35   |  |
|   | Crystals100 lbs.                   |         |    |        |  |
|   | Granulated100 lbs.                 | 3.70    |    |        |  |
|   | Nitrate, crude, bags, C/L100 tbs.  | 2.60    | -  | 2.70   |  |
|   | Double refined, Gran.bbls.tb.      | .041    | -  | .0434  |  |
|   | Nitrite, bbls., wks                | -       | -  | .09    |  |
|   | Spot bbls                          |         | -  | .00%   |  |
|   | Imported, bbls                     | .08)    | 3  | .00%   |  |
|   | Perharate                          | 40      | _  | .25    |  |
|   | Imported                           |         | _  |        |  |
|   | DerovideID.                        | .23     | 4- | 06     |  |
|   | Phoenhate (tri)                    | .039    | -  | ,08    |  |
|   | di-Sodium, U.S.P., gran. ib.       | 031     | 4- | .0434  |  |
|   | Technicalb.                        | .25     | -  | .27    |  |
| 1 | Mono-Sodium, ref                   | .23     | _  | .231/2 |  |
|   | Prussiate, Yellowtb.               |         |    | 24     |  |
|   | Silicate, 60 deg., drums & carboys | 3.00    | -  | 3.50   |  |
| 1 | 40 dag tanks & CDVS. IV IVS.       | .95     | -  | 1.75   |  |
|   | Silicofluoride, bbls               | .08     | _  | .081/2 |  |
|   | Colfate Cib salt. DDIS. MU 193.    | 1.25    | -  | 1,50   |  |
| 5 | Imported, bags                     | .70     | _  | .80    |  |
| • | Sulfide fil D.C., Illsed solid     | 1       |    |        |  |
| 1 | dramsID.                           |         |    | .041/2 |  |
| 4 | Imported                           |         | 4- |        |  |
| 2 | Brokenlb.                          | .043    | ,- | .041/2 |  |
|   | Importedtb.                        | 021     | -  |        |  |
| 1 | 30 p.c. crystalsb.                 | 031     | _  | .03    |  |
| 1 | Sulfite, Crystals                  | .001    | _  | .1015  |  |
| í | Dessicatedb.                       | .45     |    | 47     |  |
|   | Sulfocyanide, bbls                 | .45     |    | .47    |  |
|   | Thiocyanate                        | .80     | -  |        |  |
| í | Dessicated                         |         | -  |        |  |
|   | Strontium Nitrate, bbls ib.        | .12     |    | .14    |  |
| 1 | Importedb.                         | .093    | 4- | .10    |  |
|   | Carbonate Imp                      | .10     | -  | .15    |  |
|   | Sulfur Chloride, red, drums.fb.    |         | -  |        |  |
|   | Vellow, drums                      | .047    | 5- | .03    |  |
| 1 | Sulfur Dioxide, liq. cyl tb.       | .08     | -  | .081/2 |  |
|   |                                    | Tarifa. |    | in a   |  |

## THE CLEVELAND-CLIFFS IRON CO.

KIRBY BUILDING, CLEVELAND, O.

**✔** PRODUCERS OF

Wood Alcohol Acetic Acid Formaldehyde Pure Acetone

Methyl Acetone Sulphuric Acid Sodium Acetate Iron Liquor

### DISTRIBUTING POINTS

Cleveland New York Cincinnati

Boston Newark Brooklyn

Marquette Antrim Chicago

Detroit Minneapolis Gladstone

### Coal-Tar Products

| Sulfur, crude ex dock C/L. ton Flour Com'l, bbls100 lbs. Flowers, 100 pc. bbls100 lbs. Sulfuryl Chloride, drumslb. Tartar Emeticb. Tin, bichloride 50 p.e. Sol'n.b. Crystalsb. Tetrachlorideb. Oxideb. Oxideb. Oxideb. Whiting, 100 lb.bgsC/Lwks.ton Less C/L, 100 lb.bgswks.ton French, bgs., N. Y ton English, bgs., N. Y ton English, bgs., N. Y ton English control of the control of t | 1.70 — 2.00 3.00 — 3.65 —75 .29 — .30 .1034 — .1034 .29 — .293 .38 — .39 .2034 — .23.00 — -14.00 — -23.00 .14 — .16 barrels05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 .05 — .0534 | Acid Picramie h. Acid Picric h. Acid Picric h. Acid Salicylic, tech. lb. Acid Salicylic, tech. lb. Acid Sulfanilic, tech. b. Acid Sulfanilic, tech. b. Acid Tobias h. Acetanliid, tech. b. Acetanliid, tech. b. p-Aminoacetanilid h. p-Aminoacetanilid h. p-Aminophenol h. Hydrochloride h. to and the second he companie he c | .65 — .70<br>.20 — .40<br>.20 — .22<br>.22 — .23<br>1.50 — 1.60<br>.25 — 1.30<br>.50 — 1.18<br>1.25 — 1.35<br>1.35 — 1.45<br>2.50 — 2.75<br>.22 — .24<br>.22 — .24<br>.22 — .24<br>.22 — .24<br>.20 — 2.10<br>3.00 — 3.05<br>1.65 — 1.70<br>1.35 — 1.60<br>.75 — .80<br>.75 — .80 | Diphenylamine   h. Diphenylamine   h. Diphenylamine   h. Ethyl Benzyl Aniline   h. Ethyl Bromide   h. Ethyl Bromide   h. Ethyl Chloride   h. Ethyl Chloride   h. Hydrazobenzene   h. Michiler's Ketone   h. Michiler's Ketone   h. Monochlorobenzene, drums   h. Monochlorobenzene, drums   h. Monochlylamiline   h. Refined   h. Hydrazobenzene   h. A. Naphthylamine   h. A. Naphthylamine   h. Sublimed   h. Sublimed   h. Sublimed   h. Sublimed   h. Nitroaniline   h. Nitrobenzene, redistilled   h. Nitrobenzene, redistilled   h. Nitrobenzene, redistilled   h. O. Nitrochlorobenzene   h. Ni | .75<br>.66<br>1.30<br><br>.10<br>1.00<br>1.10<br>.23<br>.30<br>.95<br>1.50<br>.55<br>.72<br>.75<br>.10<br>.32<br>.25 | 25<br>32<br>- 1.00<br>- 1.55<br>60<br>75<br>79<br>11<br>35<br>28       |
|---|---|--|---|--|--|--|
| 500 lb. casks, lc/I wkslb. C/L deliveredth. Oxide, French, bbls. C/Llb, American, bbls. C/Llb, Sulfate, bbls., Carlots & lesstb.  Intermediate  Acid 1, 2, 4  |   |  |   |  | .25<br>.20<br>.75<br>.75<br>2.20<br>2.75<br>.14<br>.12<br>.60<br>1.50<br>1.35<br>1.50<br>1.00<br>.85<br>.50          | - 28 - 2277 - 2.25 - 2.85161375 - 1.60 - 1.05 - 1.60 - 1.055555 - 1.85 |
| Acid Naphthionic, Crudetb. Refined tb. Acid Nevile & Winther'stb. Acid Phthalietb.  | .60 — .62<br>.65 — .67<br>1.25 — 1.30<br>.32 — .35  | Dinitrobenzenetb. Dinitrochlorobenzenetb. Dinitronaphthalenetb. Dinitrotoluenetb.  | .20 — .24<br>.22 — .24<br>.30 — .33<br>.20 — .22  | Metavilate ib. Naphthionate ib. Picramate ib. p-toluene sulfonate ib.  | .60<br>.55   | 85<br>65   |

THE Juden BRAND

# PHTHALIC ANHYDRIDE Pure Needle Crystals

MADE BY AIR OXIDATION PROCESS

HIGHEST DEGREE OF PURITY

NO VARIATION IN QUALITY

## The Walker Chemical Company

PITTSBURGH, PENN., U. S. A.

Specifications on Request

## DINITROTOLUENE

ROBABLY the most vital factor governing the manufacture of artificial colors is the quality of the intermediates used for their synthesis.

Many consumers of Du Pont Dinitrotoluene continue the exclusive use of our product because it still is the market standard to which all others are compared.

E. I. du Pont de Nemours & Co., Inc.,

Dyestuffs Department,
WILMINGTON DELAWARE
8 Thomas St., New York, N. Y.



DRUG &

Schaeffer Thiocarb p-Toluen p-Toluen Tolidine Sulfate Toluid p-Toluid m-Toluy Tripheny Xylidine

Anthrac
40-45
Benzene
Resale
90 p.0
Carbazo
Cresylic
Straw
Decol
Cresot,
Creosot
Dip, oil
Naphth
Flake
Seco

Open
Natur
Pitch,
Solvent
Tar Ac
50 p.
Toluen
Xylene

Nitra

5 de

### Coal-Tar Dyes

| Schaeffer's Salt             | .60  | 65     |
|------------------------------|------|--------|
| Thiocarbanilidetb.           | .35  | 37     |
| p-Toluene Sulfonamide tb.    | .40  | 42     |
| p-Toluene Sulfonchloride tb. | .11  | 14     |
| Tolidinetb.                  | 1.15 | - 1.20 |
| Sulfatelb.                   | _    | - 1.00 |
| foluidine, Mixed             | .30  | 32     |
| o-Toluidinetb.               | .16  | 18     |
| p-Toluidinetb.               | 1.00 | -1.14  |
| m-Toluy lenediaminetb.       | .95  | - 1.00 |
| Triphenyl Phosphatetb.       | -    | 45     |
| Xylidinetb.                  | .42  | 45     |
|                              |      |        |

### Crudes

| Anthracene, 80-85 p.c            | .75   | _  | 1.00 |
|----------------------------------|-------|----|------|
| 40-45 p.ctb.                     | .12   | -  | .17  |
| Benzene, C. Pgal.                | .30   | -  | .35  |
| Resale, drums incl. F.A.S.gal.   | -     | _  | _    |
| 90 p.cgal.                       | .27   | -  | .32  |
| Carbazoltb.                      | .75   | _  | .90  |
| Cresylic Acid. 95 p.c. dark.gal. | .51   | _  | .53  |
| Straw, 97-99 p.cgal.             | .56   | _  | .58  |
| Decolorized, 97-99 p.cgal.       | .76   | _  | .78  |
| Cresol, U.S.Ptb.                 | .12   | -  | .15  |
| Creosote oilgal.                 | .20   | _  | .22  |
| Dip, oilgal.                     | .24   | _  | .26  |
| Naphthalene, ballstb.            | .08   | -  | .09  |
| Flaketb.                         | .07   | _  | .08  |
| Second Handsb.                   | .06   | _  |      |
| Phenol, Gov't. Surplus b.        | .12   | -  | .17  |
| Open Markettb.                   | .12   | _  | .15  |
| Natural                          | .15   | -  | .16  |
| Pitch, various gradeston         | 30.00 | -3 | 3.00 |
| Solvent naphthagal.              | .27   | -  | .32  |
| Tar Acid Oil, 25 p.egal.         | .24   | _  | .26  |
| 50 p.c,gal.                      | .34   | -  | .36  |
| Toluene, puregal.                | .30   | _  | .35  |
|                                  |       |    |      |
| Xylene, 5 deg. dist. rangegal.   |       |    | .45  |
| 5 deg. dist. rangegal.           | .40   | -  | .45  |
| Nitration, 2 deg. rangegal.      | .45   | _  | .50  |

### Coal-Tar Dyes

|                       | 2    |                  |
|-----------------------|------|------------------|
| ACID COLORS:          | 00   |                  |
| Blue                  | 1.00 | - 1.10<br>- 3.00 |
| Browntb.              | .80  | - 1.25           |
| Fuchsintb.            | 1.50 | - 2.50           |
| Greentb.              | 1.75 | - 3.00           |
| Orange IItb.          | .45  | 50               |
| Orange IIItb. Redtb.  | .50  | 60               |
| Scarlet               | .85  | - 3.50<br>- 1.00 |
| Violettb.             | 1.60 | - 3.50           |
| Azo Yellow th.        | 1.50 | - 2.00           |
| Indigotin, pastetb.   | 1.50 | - 1.60           |
| Metanil Yellow        | 1.20 | - 1.30           |
| Naphthol Green        | 1.50 | - 1.60           |
| Naphthylamine Red     | 6.75 | - 7.25<br>80     |
| Ponceaub.             | .80  | 90               |
| Scarlet 2Rtb.         | .65  | 70               |
| Tartarzin, Dom        | 1.20 | - 1.50           |
| Wool Green S          | 1.50 | - 4.00           |
|                       | 1.30 | - 4.00           |
| DIRECT COLORS.        |      |                  |
| Blacktb.              | .55  | 65               |
| Blue 2B               | .60  | 80               |
| Brown Rtb.            | .85  | <b>— 1.00</b>    |
| Brown Gtb.            | 1.25 | - 1.70           |
| Bordeauxtb.           | 1.75 | - 2.00           |
| Fast Blacktb.         | 1.25 | -1.35            |
| Fast Pinktb.          | 1.75 | - 2.50           |
| Fast Red              | 2.35 | -2.50            |
| Fast Yellowtb.        | 1.50 | 2.00             |
| Yellowtb.             | 2.00 | - 2.75           |
| Violet con'ttb.       | 1.00 | -1.25            |
| Benzopurpurin, 4 Btb. | 1.10 | - 1.20           |
| Chrysophenin, Domtb.  | 1.10 | - 1.25           |
| Congo Red 4B Type     | .80  | - 1.00           |
| Primulinetb.          | 1.50 | - 2.00           |

| SULFUR COLORS:                  |         |                  |
|---------------------------------|---------|------------------|
| Black                           | .20     | 25               |
| Bluetb.                         | .60     | - 1.00           |
| Browntb.                        | .35     | 60               |
| Greentb.                        | 1.00    | - 1.75           |
| Yellow                          | .75     | - 1.00           |
| CHROME COLORS:                  |         |                  |
| Alizarin Blue, bright 7b.       | 5.00    | - 5.50           |
| Alizarin Brown, conc 1b.        | -       | -2.50            |
| Alizarin Cyanineto.             | 1.10    | -2.00            |
| Alizarin Orangetb.              | 1.25    | -1.50            |
| Alizarin Red, 20 p.c. Paste.tb. |         | -1.09            |
| Alizarin Yellow G               |         | - 1.60           |
| Chrome Black, Dom fb.           | n-th-se | 65               |
| Chrome Bluetb.                  |         | - 2.00           |
| Chrome Browntb.                 | 100     | <b>— 1.00</b>    |
| Chrome Green, Domfb.            |         | - 3.00           |
| Chrome Red                      |         | - 2.00           |
| Chrome Yellow                   | .65     | - 1.00           |
| BASIC COLORS:                   |         |                  |
| Alkali Blue, conc               | 4.50    | - 5.00           |
| Auramine Otb.                   | _       | - 1.50           |
| Auramine OO                     | _       | - 2.50           |
| Bismarck Brown R                | .70     | 80               |
| Brilliant Green Crystals tb.    | 2.25    | - 2.50           |
| Chrysoidintb.                   | .75     | 80               |
| Crystal Violet                  | 3.00    | -3.25            |
| Indigo 20 p.c. pastetb.         | .35     | 38               |
| Fuchsin Crystals, Domfb.        | 3.00    | - 3.40           |
| Malachite Green, Crystals. 7b.  | 1.60    | -1.65            |
| Methylene Blue, tech ib.        | 1.50    | - 2.00           |
| Methyl Violet, 6B               |         | - 3.25           |
| Nigrosine, spts. sol            |         | 70               |
| Rhodamine B. ex. con'tfb.       | 8.00    | - 9.00<br>- 3.00 |
| Safranine                       |         | - 4.50           |
| ,,                              |         |                  |

## **ANTHRAQUINONE**

SUBLIMED SUBLIMED PASTE

Sanborn Chemical Works

PUTNAM, CONN.

# **CRESOL**

U.S.P. 1X

Baird & McGuire, Inc.

Holbrook, Mass.

U. S. A.

P. O. Box 473

Dyelene Ponceau 3 R B

Dyelene Metanil Yellow

Dyelene Naphthol Green B

Dyelene Developers B&T

(Give developed black a bright and blooming shade.)



DYE PRODUCTS & CHEMICAL CO., Inc.

200 Fifth Avenue New York City

DRUG

Chest

Come Cube Hemlo Larch, Crys Mangr Myrob Solid

Oak B

Quebra

Degra Eng Neu

Ba 35 p Solic Cla Spruce

### Dyestuffs

| Natural Dyest                       | utt | S |              |
|-------------------------------------|-----|---|--------------|
| Annatto, finetb.                    | .26 | _ | .29          |
| Seedtb.                             | .05 | _ | .06          |
| Carmine No 40fb.                    |     |   | \$.25<br>.40 |
| Indigo, Bengal                      | _   | _ | -            |
| Guatemalatb.                        | =   | Ξ | Ξ            |
| Madrasb. Madder, Dutchb.            |     |   | .92          |
| Nutgalls, blue Aleppotb. Chinesetb. |     |   | .15          |
| Turmeric, Madras                    |     |   | .0614        |

### Dyewoods

| Barwood          |       |        | m.   | .045  | 1- | .05  |
|------------------|-------|--------|------|-------|----|------|
| Camwood, chips   |       |        | tb.  | .09   | -  | .13  |
| Fustic, sticks   |       |        | ton  | 35.00 | -3 | 7.00 |
| Chips            |       |        |      |       |    |      |
| Mypernic, chips  |       |        | . m. | .06%  |    |      |
| Logwood Sticks   |       |        | .ton | -     |    |      |
| Chips            |       |        | .tb. | .025  | 5  | .03  |
| Quercitron Bark, | see ! | tannir | g    |       |    |      |
| Red Saunders     |       |        | .Ib. | .12   | _  | .13  |

### Dye Extracts

| Note: Range    | range for  | large | quantity. |     |
|----------------|------------|-------|-----------|-----|
| Archil, Double | ********** | tb.   | .16 —     | .18 |
| Triple         |            |       |           |     |
| Concentrated   |            | tb.   | .18 —     | .20 |

| Rangoon, boxes                  | .10  | _ | .18<br>.11<br>.14 |
|---------------------------------|------|---|-------------------|
| English                         |      |   | .23               |
| Concentratedtb.                 | -    | - | 2.5               |
| Flavine                         | .90  | _ | .95               |
| Fustic, Solidtb.                | .14  | _ | .18               |
| Crystalsib.                     | .22  | _ | .24               |
| Liquid, 51 degtb.               | .10  | - | .14               |
| Galltb.                         | .16  | _ | .18               |
| Hematine Extract 51 deg 1b.     | .113 | 5 | .131/2            |
| Crystalstb.                     | .16  | _ | .20               |
| Hypernic, liquid, 51 deg tb.    | .15  | _ | .20               |
| Logwood, solidtb.               | .15  | _ | .23               |
| 51 deg., Twaddletb.             | .08  | _ | .13               |
| Osage Orange, Extract 42 degth. | .07  | - | .10               |
| Crystalstb.                     | .18  | _ | .19               |
| Persian Berriestb.              | .27  | _ | .30               |
| suebracho, see tanning.         |      |   |                   |
| Ouercitron, 51 deg              | .06  | _ | .07               |
| Powdered, 100 p.etb.            | .09  | _ | .12               |

### Miscellaneous Dyestuffs

| Albumen, Egg, edible | _   | _ | .75 |
|----------------------|-----|---|-----|
| *Technicaltb.        | _   | _ | .65 |
| Blood, importedtb.   | _   | _ | .50 |
| Domestictb.          | .45 | _ | .50 |
| Prussian bluetb.     | .45 | _ | .50 |
| Solubletb.           | .45 | _ | .50 |
| Spray yolktb.        | .35 | _ | .45 |
| Turkey Red Oil       | .09 | _ | .11 |
| Yolk Oiltb.          | -   | - | .35 |

### Dextrins and Starches

| British Gumper 100 tbs.                    | 3.29 | _ | 3.57   |
|--|------|---|--------|
| Dextrin. Corn, white or yellowper 100 lbs. | 2.99 | _ | 3.27   |
| Potato white or canary                     | .09  | _ | .0014  |
| Sago Flourtb.                              | .033 | 5 | .004   |
| Starch, Powd., bags100 fbs.                |      |   |        |
| Pearl, bags100 fbs.                        |      |   |        |
| Potato, Domestictb.                        | .053 |   | .06%   |
| Imported, duty paid 1b.                    |      |   | .0736  |
| Tapioca flour, high gradetb.               |      |   | .0314  |
| Medium gradeb.                             |      |   | .04    |
| Low gradetb.                               | .03  | _ | .031/3 |
|  |      |   |        |

### Tanning Woods

| Algarobillaton                | -     |        |
|-------------------------------|-------|--------|
| Divi Diviton                  | 32.00 | -34.00 |
| Hemlock Bark ton              | 16.00 | -18.00 |
| Mangrove, African, 38 p.cton  |       | -35.00 |
| Bark, S. Aton                 | 25.00 | -30.00 |
| Myrobalans, J1ton             |       | -25.00 |
| 12ton                         | ****  | -20,00 |
| B1ton                         | _     | -34.00 |
| B2ton                         |       | -19.00 |
| R2ton                         | _     | 17,00  |
| Oak Barkton                   | 20.00 | -23.00 |
| Groundton                     | -     | -25.00 |
| Quercitron Bark roughton      | -     | -10.00 |
| Groundton                     |       |        |
| Sumac, Sicily, 28 p.c. tonton |       |        |
| Virginia, 25 p.c. tanton      | -     | -35.00 |
| Valonia Cups 28-33 p.cton     |       |        |
| Beard 40 p.cton               | 40.00 | -42.00 |
| Wattle Barkton                | 38.00 | -40.00 |
|                               |       |        |

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3.27 .00% .00% 2.75 2.65 .05% .07% .08%

### Fixed Oils

| Tanning Extra                      | ACIS    |        |
|------------------------------------|---------|--------|
| Chest ut. clarified, 25 p.c. tan,  |         | ,      |
| tanks, f.o.b. wkstb.               | .011/2- | .013/4 |
| Powdered, 60 p.ctb.                | .051/2- | .053/4 |
| Decolorizedtb.                     | .00 -   | .091/2 |
| Gambier, 25 p.c. tan liqfb.        | .061/4- | .07    |
| Commontb.                          | .051/4- | .0514  |
| Cubes, Singapore                   | .07 —   | .071/2 |
| Hemlock, 25 p.c. tan workstb.      | .04 -   | .0414  |
| Larch, 25 p.c. tantb.              | .0334-  | .04    |
| Crystals, 50 p.c. tan              | .08 -   | .08%   |
| Mangrove, 55 p.c. tantb.           | .0634-  | .061/2 |
| Myrobalans, liq., 25 p.c.tantb.    | .05 —   | .051/2 |
| Solid, 50 p.c. tan                 | .061/4- | .061/4 |
| ak Bark, liquid, 23-25 p.c.tantb.  | .05 -   | .0514  |
| Tankstb.                           | .041/2- | .0414  |
| mebracho, liquid, 35 p.c. tks. fb. | .031/2- | .0314  |
| Barrels                            | .04 —   | .04%   |
| 35 p.c. tan, bleaching             | .041/4- | .05    |
| Solid, 65 p.c. tan ordinary tb.    | .041/2- | .043/4 |
| Clarifiedtb.                       | .05 —   | .051/4 |
| pruce liquid, 25 p.c. tan,         |         |        |
| works, tanksfb.                    | .01 —   |        |
| Powd., 50 p.c. tanb.               | .02 —   |        |
| umac, liquidtb.                    | .07 —   | .00    |

| _ | PR |     |     |      |      |
|---|----|-----|-----|------|------|
| A | ni | mal | and | Fish | Oils |

|           |         | (Carloads) |         |        |
|-----------|---------|------------|---------|--------|
| Cod New   | foundla | ndgal.     | .56 —   | .58    |
| -         | Tanks   | gal.       | .53 —   | .55    |
| Dome      | stic, p | rimegal.   |         | -      |
| *Degras . | America | n          | .04 —   | .041/4 |
| English   | ******* | tb.        | .041/4- | .041/2 |
| Neutral   | ******  | tb.        | .07     | .081/5 |

| *Herring, N.Y. bblsgal.                          | .44 — .45 |     |
|--|-----------|-----|
| Horseb.  | 06        |     |
| Lard prime, tech                                 | .101/211  |     |
| Edibletb.  | 14        |     |
| Off primetb.                                     | .101/410  |     |
| No. 1tb.   | 09        |     |
| Extra, No 1tb.                                   | 09        |     |
| No. 2tb.   | 09        |     |
| Menhaden, Light strained gal.                    | .53 — .55 |     |
| Yellow, bleachedgal.                             | .5556     |     |
| Extra, bleached, winter.gal.                     | .58 — .60 |     |
| Blowngal.  | .63 — .66 | - 1 |
| Crude, f.o.b. works, bbls.gal.                   | 38        | Į   |
| Tanks, wksgal.                                   | 35        | - 1 |
| Neatsfoot, 20 deglb.                             | 22        | - 1 |
| 30 deg., cold test                               | 18        | - [ |
| Puretb.  | 18        |     |
| Oleo Oil, No. 1tb.                               | .101/210  |     |
| No. 2b.  | 09        |     |
| No. 3tb.   | 08        |     |
| Red Distilledtb.                                 | 08        |     |
| Saponified                                       |           |     |
| Salmon, tanks, Coastgal.                         | 36<br>44  |     |
| Sodgal.  | 44        | - 1 |
| Sperm bleached winter                            | 1.59      | - 1 |
| 38 deg., cold testgal.<br>45 deg., cold testgal. | 1.54      | - 1 |
| Stearic Acid, single pressed. b.                 | .09 — .09 | 4   |
| Double pressedlb.                                | 00        |     |
| Triple pressedb.                                 | .101/211  | 2   |
| Tallow acidless, tanks                           | 09        | 4   |
| Barrels, c.l                                     | 10        | 4   |
| Whale, natural wintergal.                        | 70        | - 1 |
| Bleached, wintergal.                             | 75        |     |
| Crude, No. 1 tanks, Coast. b.                    | .05053    | 4   |
| No 2   |           | -   |

### Greases, Lards, Tallows

|         |      | (New  | Vork Markets) |                      |
|---------|------|-------|---------------|----------------------|
| Grease. | Choi | ce Wh | ite           | .073/408             |
|         |      |       |               | $.05\frac{1}{2}$ .06 |
| Brown   |      |       |               | .05051               |
|         |      |       |               | .051/4053/           |
| Bone    | Naph | tha   | tb.           | .041/205             |

| Lard City, Steamtb.      | .1134-  | .12    |
|--------------------------|---------|--------|
| Compoundtb.              | .13 —   | .131/4 |
| Stearine, lardtb.        | .141/4- | .141/2 |
| Oleotb.                  | .091/4- | .0934  |
| Tallow, edible           |         | .08    |
| City, Extra, loose       |         | .0614  |
| (Chicago Markets)        |         |        |
| Tallow, edible           | .073/4- | .073/2 |
| City Fancyb.             | .07 -   |        |
| Prime Packers            | .063/4- | .07    |
| Grease, Choice White 1b. | .0634-  |        |
| "B" Whitetb.             | .06 —   |        |
| Yellowtb.                | .051/4- |        |
| Browntb.                 | .0434-  |        |
| Bonetb.                  | .04 —   |        |
| Housetb.                 | .0434-  | .05    |
| Stearine, prime Oleo     | .081/2- | .083/4 |
| Lard                     | .113/8- | .113/1 |

### Vegetable Otls

|                                  | _                   |
|----------------------------------|---------------------|
| Castor, No. 1, bblstb.           | 12                  |
| Casestb.                         | 13                  |
| No. 3tb.                         | 11                  |
| China Wood Oil, bbls., N.Y tb.   | .1334141/4          |
| *Coast. tankstb.                 | 111/2               |
| Orient to N. Y., bblstb.         | .12121/2            |
| Coconut Dom., Ceylon, bbls.lb.   | .083/409            |
| *Tanks, Spot lb.                 | $.0808\frac{1}{4}$  |
| Cochin, bbls., Dom               | .091/4093/4         |
| *Tanks                           | .081/2083/4         |
| Manila, tanks, coasttb.          | $.0707 \frac{1}{4}$ |
| Edibleb.                         | .10101/2            |
| Copra, c.i.f., N. Yb.            | 0454                |
| Corn. refined, bbls              | .121234             |
| Crude Tanks Shipping pt. lb.     | .09140934           |
| Barrelslb.                       | .103/4- 11          |
| Crude, bbls., N. Ylb.            | 111/2               |
| *Cottonseed, Crude, f.o.b. mills | ***//               |
| in buyers' tankstb.              | Nominal             |
| Prime Summer, Yel., bblstb.      | .11111/2            |
|                                  | 12                  |
| *White                           | 1234                |
| Winter, yellow                   | 1274                |
| Nominal                          |                     |

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| Bonny Old Calabar tb064— .07 Niger tb06 — .064 Palm Kernel, domestic tb Imported tb        | Pitch Prime  | Aluminum 98-99% Virginewt. 17.50 —18.50<br>Remelted, Scrapcwt0844— 09<br>Antimony, Jap. & Chinese.cwt. — 5.25  |
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| Sesame, domestic, ediblegal. 1.10 - 1.15   | Second rungal3839  | Magnesium, 99 p.c  |
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| C.i.f., N. Y. in Bondtb07071/2   | 7.00   | Mercury  |
| New York, bbis., crudetb111/2  |  | Nickel Ingot   |
| Edible   | Fertilizer Materials   | Shotcwt. — —37.00<br>Electrolyticcwt. — —39.00   |
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| New Orleanston   | Fish Scrap, dom., drled, f.o.b.<br>works   | Wolframite, Chinese 2.00   |
| Corn Cakeshort ton   | Nitrate Soda   | Bolivian 2.75 — 3.00   |
| Meal Chicagoshort ton30.00<br>Linseed cake, domshort ton47.00                              |  | Scheelite, Amer.   |
| Linseed Mealshort ton - 49.00  | Tankage, high-grade, f.o.b. Chicagounit 3.65 & .10                                     | Zinc Slabs, High Grade, C/L. cwt 6.25  |
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| MISCELLANEO                                     | UB   |   |               | Russiantb.                        | -     | Garren | 10.00 |
| Agar Agar, No. 1                                | 1.20 | _ | 1.25          | Kamalatb.                         |       | _      | 3.25  |
| No. 2tb.  | 1.00 | _ | 1.05          |                                   | .04   |        |       |
| No. 3   |      |   | .86           | Leeches                           |       |        |       |
| Agaric, whitelb.                                | 1.35 |   | 1.50          | Lime Juice, clarified gal.        |       |        |       |
| Almonds, bitter, 28 lb. bxslb.                  |      |   | .30           |                                   |       |        |       |
| Sweetb.   | .30  |   | .35           | Lupulintb.                        |       |        |       |
| Meal  |      |   | .30           | Lycopodium, 22 lb. boxestb.       | 1.00  | _      | 1.10  |
| Grey  |      |   | 8.00<br>25.00 | Manna, large flaketb.             | _     | -      | .85   |
| Areca Nuts, 150 lb. bagslb.                     | .08  |   | .081/2        | Small flakeb.                     |       |        |       |
| Powdered th.                                    | .00  |   | .12           | Sortstb.                          |       |        |       |
| Arrowroot, Amer. powdlb.                        |      |   | .06           |                                   |       |        |       |
| St. Vincent, powd., bblstb.                     |      |   | .11           | Moss, Icelandtb.                  |       | _      | .08   |
| Balm of Gilead Buds tb.                         | .40  |   | .45           | Irish, Bleached                   | .07   | _      | .09   |
| Burgundy Pitch, Dom ib.                         | -    | _ | .05           | Musk, pods, Cabardine oz. 1       | 16.00 | -1     | 7.00  |
| Cantharides, Chinese, casestb.                  | 1.00 | - | 1.10          | Tonquin02. 1                      |       |        |       |
| Powderedb.                                      |      |   | 1.30          | Grain, Caboz. 2                   |       |        |       |
| Russian, wholeb.                                | -    |   | -             |                                   |       |        |       |
| Powderedtb.<br>Cascara Amarga, 150 lb. baleslb. |      |   | 6.00          | Tonquinoz. 3                      |       | -3     | 33.00 |
| Castoreumb.                                     | .32  |   | 4.00          | Synthetic, See Aromatic Chemic    | als   |        |       |
| Charcoal Willow, pd. bbls                       | .06  |   | .07           | Nutgalls, Chinesetb.              | .16   | -      | .17   |
| Wood, powderedb.                                | .04  |   | .041/2        | Aleppytb.                         | .13   | -      | .14   |
| Civet   | 2.75 |   | 3.00          | Nux Vomica, buttons, bgsfb.       | .06   | _      | .07   |
| Cochineal, U.S.Ptb.                             | .40  |   | .50           | Powdered, bblstb.                 | .09   |        |       |
| Colocynth, Apples                               | .22  |   | .23           | Quassia Chipsb.                   |       |        | .08   |
| Pulp, U.S.P                                     |      | - | .40           |                                   |       |        | ,     |
| Spanish Applestb.                               | .28  |   | .29           | Sandalwood, Chipstb.              |       |        | .35   |
| Cuttlefish Bone, Trieste tb.                    | -    | _ |               | Groundtb.                         |       |        | .40   |
| Jewelers, largetb.                              |      |   | .50           |                                   | 1.00  | _      | 1.10  |
| Smalltb.  |      | - |               | Spermaceti, blockstb.             | .36   |        | .37   |
| Frenchtb. Powderedtb.                           |      | _ |               | Storax, liquid, artiftb.          | .75   | _      | 80    |
| Dragon's Blood, Masslb.                         |      |   | .14           |                                   | _     |        |       |
| Reedstb.  |      |   | .70           | Gen., U.S.Ptb. Tamarinds, bblstb. | .03   |        |       |
| Ergot, Russian                                  | .00  |   | .70           | Kegsper keg                       | 2.75  |        |       |
| Spanish, 200 lb. bagstb.                        |      |   | 1.05          |                                   | 1.60  |        |       |
| Grains of Paradise                              |      |   | .13           |                                   |       |        |       |
| Guaranatb.                                      |      | - | 1.00          | Turpentine, Venice, Truetb.       | .40   |        |       |
| Honey Califtb.                                  |      |   | .11           | Artificial                        | .09   | _      | .10   |
|   |      |   |               |                                   |       |        |       |

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|---|--|---------------------------------|---|--|
|   | Copaiba, Parab. South Americanb. Fir, Canadagal. Oregon, bbls., cansgal.   | .29<br>10.75                    | -1                                      | .30                                    |
|   | Peru   | 1.75                            | -                                       | 1.90                                   |
|   | BARKS  |                                 |   | - 18                                   |
|   | Angostura  | .14                             | _                                       | .15                                    |
|   | Barberry (tree)tb. Bayberrytb.   |                                 | _                                       |  |
|   | Blackhaw of Root b. of Tree b. Buckthorn b. Calisaya b. Canella alba b.  | .15<br>.063                     | ====                                    | .16<br>.07                             |
|   | Cascara Sagradatb.   |                                 | _                                       |  |
|   | Cascarilla, quillsb. Siftingsb.  | .20                             | _                                       | .25                                    |
|   | Chestnut   | .45                             | -                                       | .55                                    |
| - | Condurango, 75 lb. baleslb.  | .08                             |   |  |
|   | Cramp (so-called) tb. Cramp (true) tb. Dogwood, Jamaica tb. Elm, Select, 5 lb. bundles tb. Grinding tb. Powdered tb. | .08<br>.40<br>.10<br>.20<br>.11 | ======================================= | .09<br>.42<br>.11<br>.22<br>.12<br>.14 |
|   |  | .10                             | =                                       | .06<br>.09<br>.11                      |
| ١ | Oak, redtb.<br>Whitetb.  | .05 -                           |   |  |



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### Crude Drugs

| 297                                  |                            |                                   |                        |  |
|--------------------------------------|----------------------------|-----------------------------------|------------------------|--|
| Orange Peel, bitter                  |                            | BURRIES                           | 4.1                    | CTIVE  |
| Sweet th                             | 05 - 0614                  | Cubebs, ordinary, 130 lb.bags.tb. | .95 — 1.06             | Alaca Parhadas GUMS                                      |
| Prickly Ash, Southern fb.            | .151514                    | XXth                              | 1.05 1.10              | Aloes, Barbados  |
| Northern                             | .151814                    | Powdered th                       | 1.00 - 1.05            | Cape, 400 lb. caseslb07½08 Curacao, 100 lb. caseslb0606¼ |
| Pomegranate of Roottb. of Fruittb.   |                            | Fish, 100-125 lb. bags            | .041/205               | Socrotrine, whole  |
| Sassafras, ordinarytb.               | .16 — .17                  | Horse, Nettle, dry                | .3536                  | Ammoniac, tearstb. 1.50 - 1.60                           |
| Selectb.                             | .19 — .14                  | Juniper, 125 lb. bags             | .033404                | Arabic, firsts   |
| Simaruba th                          | .14 — .15                  | Laureltb.                         | 08                     | Secondstb1921  |
| Soap, whole, 150 lb, balestb.        | .06061/2                   | Poke                              | 16                     | Sorts Amber, 220 lb. bagstb12121/4                       |
| Cut, 125 lb. bagsth.                 | .081/209                   | Prickly Ash                       | .1112                  | Powdered, U.S.P  |
| Crushed, 200 lb. bblstb. Powderedtb. | .081/209                   | Raspberries, dried                |                        | Asafetida, whole, U.S.Ptb3032                            |
| Tagalder                             | .1213                      | Saw Palmettoth.                   | .1213                  | Powdered, 180 lb. bblstb5052                             |
| longath                              | 30 - 31                    |                                   | .1012                  | Benzoin, Siamtb. 1.50 - 1.60                             |
| Wahoo of Rootth.                     | .5253                      | FLOWERS                           |                        | Sumatra  |
| of Treetb.                           | .2526                      | Arnica, 200 lb. balestb.          | .0009%                 | Camphor, ref., See Fine chem. list                       |
| Willow, Black                        |                            | -                                 |                        | Catechu  |
| White Pine Rossedtb.                 | 15                         | Borage                            | 25<br>50               | Chicle   |
| White Poplar                         | .06 — .07                  | Chamomile, Hung.150-2001b.cs.4b.  |                        | Damartb30 - 42   |
| Wild Cherry-                         |                            | Roman                             |                        | Euphorbium   |
| Thin Green Rossed th.                | .1012                      | Clover Topstb.                    | 10                     | Powdered   |
| Thick Rossedtb.                      | .071/208                   | Dogwood                           | 15                     | Galbanumtb. 1.05 - 1.10                                  |
| Thin Naturaltb.                      | .08 — .09                  | Eldertb.                          | .23 — .24              | Gambiertb063407  |
| Thick Natural                        |                            | Insect, open whole                |                        | Gamboge  |
| Witch Hazeltb.                       | 08                         | Closed wholetb.                   | 43                     | Guaiac   |
| 73 74 4 4 7 7                        |                            | Powdered, Pure, 110 lb kegsth.    | .5253                  | Kino, Black  |
| BEANS                                |                            | Flowers and stems, 50 p.c.lb.     | .33 — .35              | Mastic   |
| Calabartb.                           | .1718                      | Koussotb.                         | 1.10                   | Myrrh, Selecttb5055                                      |
| Cassia Fistula                       | .081/09                    | Lavender, 100 lb. bagstb.         | .35 — .40<br>.15 — .17 | Sortstb4548  |
| Castortb.                            | $.0303\frac{1}{2}$         | Without Leaves                    |                        | Olibanum sift, 280 lb, casetb091/2101/2                  |
| St. Ignatlus                         |                            | Malva, blue                       | .25 — .30<br>— — .35   | Tears, 280 lb. case                                      |
| St. John's Breadtb.                  | .0306                      | Black                             |                        | Opium, See fine chem. list<br>Sandarac                   |
| Tonka, Angostura                     |                            | Mulleintb.                        |                        | Scammony Resintb. 1.35 — 1.40                            |
| Paratb.                              | .8090                      | Orangetb.                         | 1.00                   | Senegal, picked  |
| Surinam                              | .85 - 1.00                 | Poppy, redth.                     |                        | Spruce   |
| Vanilla, Mexican, wholetb.           |                            | Rose petals, pale, red            | .2565                  | Storax, Tech. cases, See Misc'l. Drugs Thus              |
| Cutstb.                              | 8.00 8.50                  | Rosemary                          | .2830<br>1.05 - 1.40   | Tragacanth, Aleppo first                                 |
| Bourbon                              | 3.00 — 3.75<br>7.00 — 7.25 | Valencia                          | 27.00 -28.00           | No. 2 to No. 6   |
| Tahiti, Yellow Label tb.             | 7.00 - 7.25                | Violet                            | 70                     | Powdered   |
| Green Label                          | 2.10                       | Tilia (see Linden)                |                        | Turkish  |
|                                      |                            |                                   |                        |  |



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| SHELLAC                        |      |       |        | Laureltb.                                | .06  |      | .061/2 | ROOTS                        |
|--------------------------------|------|-------|--------|--|------|------|--------|------------------------------|
| D. Ctb.                        | .95  | _     | 1.00   | Life Everlastingtb.                      | .05  | _    | .06    |                              |
| Fine Orangetb.                 | .88  |       | .90    | Liverworttb.                             | -    | -    | .25    | Aconite, U.S.P               |
| Second Orangetb.               | .86  | _     | .87    | Lobeliatb.                               | .071 | /2-  | .08    | Aletris (Unicorn true)fb3033 |
| T. Ntb.                        | .82  | -     | .83    | Maticotb.                                | _    | -    | .20    | Alkanet                      |
| Ground regtb.                  | .90  |       | .92    | Marjoram, Germantb.                      | .22  |      | .23    | Althea, cut                  |
| Regular bleachedtb.            | .83  | ***** | .84    | Frenchtb.                                | .135 | 2-   | .16    | Wholetb0810                  |
| Bone Drytb.                    | .93  | _     | .95    | Motherwort Herbtb.                       | -    |      | .11    | Angelica American            |
| LEAVES AND HE                  | RBS  | 1     |        | Patchoulitb. Pennyroyaltb.               | .25  |      | .28    | Arnica                       |
| Aconiteb.                      | .18  | _     | .20    | Pepperminttb.                            | .16  |      | .18    | Bamboo Briertb0600           |
| Balmonytb.                     | .14  | -     | .15    | Pichitb.                                 |      | -    | .12    | Bearsfoot                    |
| Belladonnatb.                  | .10  | _     | .13    | Prince's Pine                            |      |      | .15    | Belladonna                   |
| Boneset, leaves and tops ib.   | .09  | _     | .10    | Pulsatillatb.                            |      | _    |        | Berberis Aquifolium          |
| Buchu, Short, 250 lb. balestb. | .95  | _     | 1.00   | Queen of the Meadow 1b.                  |      |      | .061/2 | Beth                         |
| Longtb.                        | -    | _     | -      | Rosemary                                 |      | _    | .04    | Bloodtb14 — .11              |
| Cannabis, true, imported ib.   | 5.75 | _     | 6.00   | Sage, Dalmatian                          |      |      | .061/2 | Blueflag                     |
| American (no assay)tb.         | _    | _     | .20    | Greektb.                                 | .03  | _    | .04    | Bryoniatb101                 |
| U.S.Ptb.                       | .30  | _     | .35    | Spanish                                  |      | _    | .04    | Burdock                      |
| Catniptb.                      | .10  | _     | .15    | Savorytb. Senna, Alex., 150 lb. caseslb. |      | _    | .103/2 | Calamus, bleached            |
| Chestnuttb.                    | .06  | _     | .061/2 | Half Leaf, 350 lb. baleslb.              |      | _    | .16    | Unbleached, naturaltb101     |
| Chirettatb.                    | _    | -     | .20    | Siftings, 400 lb. balestb.               | .09  | -    | .091/2 | Cohosh, blacktb070           |
| Coca. Huanuco                  | _    | _     | _      | Powderedtb.                              |      | _    | .13    | Bluetb08 — .0                |
| Truxillotb.                    | -    | _     | .50    | Tinnevelly, Jobbingtb.                   |      | -    |        | Colchicum                    |
| Coltsfootth.                   | .07  | _     | .071/2 | Grindingtb.                              |      | 1/2- | .06    | Colombo, whole               |
| Corn Silk, 200 lb. baleslb.    | .05  | _     | .051/2 | Powderedtb.                              |      | -    | .09    | Comfrey                      |
| Damianatb.                     | .09  | -     | .10    | Sideritis, cuttb.                        |      | -    | .20    | Culver'stb151                |
| Deer Tonguetb.                 | .07  | 1/2-  | .08    | Skullcap, Western                        |      | _    |        | Cranesbill tb121             |
| Digitalisfb.                   | .07  | -     | .071/2 | Squaw Vinetb.                            |      | _    |        | Dandelion, Importedfb070     |
| Eucalyptustb.                  | .05  |       | .051/2 | Stramoniumtb.                            |      | 1/2- |        | Doggrass, U.S.P., cuttb091   |
| Euphorbia Pilulifera           | .14  |       | .15    | Tansy                                    |      | 1/2  | .20    | Echinacea                    |
| Henbanetb.                     | .60  |       |        | Frenchtb.                                |      | 1/2  | .11    | Elecampane                   |
| Hennatb.                       | .17  | _     | .18    | Uva Ursitb.                              | .06  | -    | .07    | Galangaltb070                |
| Horehoundb.                    |      |       | .08    | Witch Hazeltb.                           |      | _    |        | Gelsemium                    |
| Horsetail                      | .14  | =     |        | Wormwood, importedtb.<br>Yerba Santatb.  | .10  |      | .12    | Gentiantb08 — .1             |
| Javoranui                      | .40  |       | * - 4E |  |      | _    | ***    | 100                          |

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| Ginger, Jamaica, (see Spices)                                  |                         | Serpentaria                           | .85 — .95                                | Foenugreek, 200 lb. bagstb. | .033/4— .04  |
|--|-------------------------|---------------------------------------|--|-----------------------------|--------------|
| Ginseng, Cultivated  | 1.50 — 3.00             | Skunk Cabbage                         | .1820                                    | Hemp, Manchuriantb.         | .04 — .041/2 |
| Northwestern wild  | 6.00 — 9.00             | Snake, Canada naturaltb.              | 30                                       | Chilian                     | .071/2 .08   |
| Golden Sealtb.   | 3.25                    | Strippedtb. Spikenardtb.              | 45<br>.1718                              | Larkspur tb.                | .24 — .25    |
| Powderedb.   |                         | Squill, whitetb.                      | .04041/2                                 | Millet, Dom. yellowtb.      | .03 — .0334  |
| Hellebore, Black, Powdtb.                                      | 20<br>                  | Stillingiatb.                         | .0909½                                   | Mustard, Bari, Brownfb.     | .061/4061/2  |
| Powdered, 250 lb. bblslb.                                      | .15 — .16               | Turmeric Madraslb.                    | .06061/2                                 | Bombay, Brown               | .0706        |
| Helonias (Unicorn false)tb.                                    | .45 — .48               | Aleppyb.                              | .051/206                                 | Yellowtb.                   | 061/4        |
| Ipecac Cartagenatb. Powderedtb.                                |                         | Unicorn false, See Helonias           | .05½06                                   | Chinese, Yellow             | .031/204     |
| Rio wholeth.   | 1.50 - 1.55             | True, See Aletris                     | 00                                       | Danish, Yellowtb.           | .061/2 .07   |
| Powderedtb.  Jalap, whole, 150 lb. balestb.                    | 1.85 - 2.00             | Valerian, Belgiantb.<br>Vellow Dockb. | .09 — .10                                | Dutch, Yellowtb. Parsleytb. | .06½— .07    |
| Powdered, U.S.P  | .17 — .18               | Yellow Parillalb.                     | 20                                       | Poppy, Dutchtb.             | .16 — .17    |
| Kava Kavab.  | 17                      | Zedoaryb.                             | .051/206                                 | Turkishtb.                  | .06 — .08    |
| Lady Slippertb.  | .60 — .65               | Anise, Levant                         | 14 141                                   | Blue Indianb.               | .08 — .08%   |
| Licorice, 'Russian, cutlb.  Spanish natural baleslb.           | .061/207                | Startb.                               | .14 — .14½<br>— — .18                    | White Indianb. Pumpkinb.    | .07 — .071/2 |
| Selectedtb.  | .2128                   | Spanishb.                             | .171/4171/2                              | Ouince                      | 1.20 — 1.25  |
| Powdered, 250 lb. bblstb.                                      | .083/4091/2             | Canary, Morocco                       | $.0303\frac{1}{2}$<br>$.05\frac{3}{4}06$ | Rape South Amer             | .05051/2     |
| Manaca   | .38 — .45               | South American                        | .04 — .041/2                             | Dutch                       | .071/208     |
| Mandrake   | .1112                   | Caraway, African                      | 121/ 12                                  | Sabadillab.                 | 10           |
| Musk, Russian  | .07 — .08               | Cardamom, bleached                    | .12½13<br>.65 - 1.10                     | Stavesacretb.               | 85           |
| Veronatb.  | .0506                   | Decorticatedb.                        | .46 — .50                                | Stramoniumtb.               | .13 — .14    |
| Powderedtb.  | .08 — .10<br>.75 — .80  | Green, Grind                          | .35 — .37<br>.23 — .24                   | Strophanthus, Hispidustb.   |              |
| Pareira Brava  | .75 — .80               | Colchicumtb.                          | .1213                                    | Kombetb.                    | — — .35      |
| Pink trueth.   | .7075                   | Conium                                | .15 — .16                                | Sunflower, domestic         | .06½07       |
| Pleurisytb.  | .23 — .24               | Morocco, Unbleached 1b.               | .051/206                                 | Worm, American              | .10 — .11    |
| Rhatanytb.   | .1011                   | Bleached                              | .08½— .09                                |                             | 2.25 - 2.50  |
| Rhubarb, H. D., 350 lb. cases.lb.<br>Powdered, 225 lb. bblsfb. | .55 — .60<br>.60 — .65  | Moroccotb.                            | .161/4161/2                              |                             |              |
| Sarsaparilla, Honduras tb.                                     | .48 — .50               | Fennel, French                        | .051/206                                 | SPICES                      | 111/ 12      |
| Mexicantb.   | .40 — .43               | Germantb.                             | .11 — .12<br>— — .15                     | China, Selected             | .11½— .12    |
| Scammony Root  | .04 — .05<br>.90 — 1.00 | Flax, whole, 180 lb, bblea. Ground    | 12.50                                    | Saigon, assortment          | .23 — .25    |
| LongaID.   | 1.00                    | GroundD.                              | .07071/2                                 | Cinnamon, Ceylon            | .1819        |



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|   | .29 -  | 20 .                                     |
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| Cloves, Zanzibar, 135 lb. bale. lb.   | .29 _  | .00                                      |
| Amboynas  | .60 -  |  |
| Penangb.  | .09 —  |  |
| Ginger, African   | .36 —  |  |
| Janiaica, grinuing  | .091/2-  | .10                                      |
| Jamaica, grinding b. Japan b. Cochin ABC and lemon b.   | .091/2-  | .10                                      |
| Mace. Siauw, No. 1  | .44 —  | .45                                      |
| Banda, No. 1  | .45  | .46                                      |
| Batavia   | .281/2-  |  |
| Nutmegs, 110s   | .20 —  | .21                                      |
| 75s-80stb.  | .27 —  |  |
| Paprikab.   | .15 —  | .20                                      |
| Pepper, Black Sing  | .091/2-  |  |
| WhiteID.  | .32 —  | .14                                      |
| Peppers, Red, Mombasatb.  |  | .18                                      |
| D - 1 1h  |  | .16                                      |
| Japan   | .37 —  |  |
| Pimento, Select   | .041/2   | .0434                                    |
| imento, beteet tittititititi  | 10.72  | ,4                                       |
| WAXES   |  |  |
| *** ***********************************   |  | - 1                                      |
| Bayberryfb.   | .22 -  | .25                                      |
| Bees, whiteb.   | .40  | .42                                      |
| Yellow, refinedtb.  | .28 —  | .32                                      |
| Crudeb.   | .25  | .30                                      |
| Candelilab.   | .45 —  | .40                                      |
| Carnauba. Flor  | .40 —  | .43                                      |
| No. 1, North Country  | .23 —  | .25                                      |
|   |  | .18                                      |
| No. 3 Fatty Gray th   |  |  |
| No. 3, Fatty Gray   | .17 —  | .17                                      |
| No. 3, Fatty Gray   | .16 —  |  |
| No. 3, Fatty Gray   |  | .081/2                                   |
| No. 3, Fatty Gray   | .16 —<br>.07½—<br>.09 —<br>.16 —                                 | .10                                      |
| No. 3, Fatty Gray   | .16 —<br>.07½—<br>.09 —<br>.16 —<br>.04½—                        | .08½<br>.10<br>.16½<br>.05               |
| No. 3, Fatty Gray   | .16 —<br>.07½—<br>.09 —<br>.16 —<br>.04½—                        | .08½<br>.10<br>.16½<br>.05               |
| No. 3, Fatty Gray b. No. 3, Chalky b. Ceresin Yellow, 200 lb. bags.lb. White b. Japan, 200 lb. cases b. Montan, crude b. *Bleached b. Zozkerite, brown, hard b.               | .16 —<br>.07½—<br>.09 —<br>.16 —<br>.04½—<br>—                   | .08½<br>.10<br>.16½<br>.05               |
| No. 3, Fatty Gray b. No. 3, Chalky b. Ceresin Yellow, 200 lb. bags. b. White b. Apan, 200 lb. cases b. Montan, crude b. *Bleached b. Dzokerite, brown, hard b. Green, hard b. | .16 —<br>.07½—<br>.09 —<br>.16 —<br>.04½—<br>—<br>.22 —          | .08½<br>.10<br>.16½<br>.05<br>-24        |
| No. 3, Fatty Gray   | .16 —<br>.07½—<br>.09 —<br>.16 —<br>.04½—<br>—<br>.22 —<br>.25 — | .08½<br>.10<br>.16½<br>.05<br>-24<br>.26 |
| No. 3, Fatty Gray   | .16 —<br>.07½—<br>.09 —<br>.16 —<br>.04½—<br>—<br>.22 —<br>.25 — | .08½<br>.10<br>.16½<br>.05<br>-24<br>.26 |
| No. 3, Fatty Gray b. No. 3, Chalky b. Ceresin Yellow, 200 lb. bags. b. White b. Japan, 200 lb. cases b. Montan, crude b. Bleached b. Ozokerite, brown, hard b. Green, hard b. | .16 —<br>.07½—<br>.09 —<br>.16 —<br>.04½—<br>—<br>.22 —<br>.25 — | .08½<br>.10<br>.16½<br>.05<br>-24<br>.26 |

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| Almond, Bitter, U.S.Pb. Bitter, f.f. P.Ab. Artificial, U.S.P., See Aroma | 5.25<br>atic (     | — 5.50<br>hems.            |
| Peach Kernel (Apricot)tb.  | .48                | 27                         |
| Ambor Crude th.  | 1.00               | $\frac{-1.05}{-1.20}$      |
| Rectified  | 38.00              | -39.00<br>-40.00           |
| II. S. PID.  | .00                | 55<br>65                   |
| Baylb.<br>Bergamot, 25 lb. copperstb.                                    | 2.50<br>4.25       | - 2.60<br>- 4.35           |
| Artificial   | 2.50               | - 2.75<br>- 2.75<br>- 1.85 |
| Crude  | 3.00               | - 3.50<br>- 60             |
| Cade   | .75                | 80<br>88                   |
| Calamustb. Camphor, by-producttb.  | 4 75               | - 4.90<br>12<br>20         |
| Iapanese white   | .19                | 18                         |
| Cananga Native   | 2.75               | - 3.00<br>- 4.00           |
| Rectified  | 1.90               | $\frac{-2.40}{-2.15}$      |
| Crude tb. Cardamom, U.S.P. b. Carvol lb. Cassia Technical 75-80 p.c. tb. | 13.00<br>3.15      | -14.00 $-3.25$             |
| Redistilled U.S.P  | 1.80               | <del>-</del> 1.85          |
| Cedar Leaf, 50 lb. canslb. Cedar Wood, lightlb.                          | .75<br>.28<br>9.00 | 80<br>30<br>-10.00         |
| Celery   | 16.00              | -18.00 $-18.00$ $-2.00$    |
| Citronella, Ceylon   | .53                | 54<br>75                   |
| Cloves, 50 lb. cans  | 1 95               | - 2.00<br>- 2.10           |
| Copaiba, U.S.P   | .40                | 45<br>-11.50               |
| Croton, 25 lb. tinstb.   | -                  | - 1.10                     |

| Cubebs, U.S.P., 5 lb. bottb.   | 6.50  | - 6.75   |
|--|---|--|
| Cuminlb.   | 4.50  | - 4.75   |
| Dilltb.  | -   | - 4.00   |
| Erigerontb.  | 1.75  | - 1.90   |
| Eucalyptus, Australian, U.S.P.tb.  | .35   | 38   |
| Fennel, sweet, U.S.P   | 1.60  | 1.70   |
| Geranium, Rose Algerian fb.  | 8.75  | -9.25  |
| Bourbon, (Reunion) b.  | 5.50  | - 6.00   |
| Turkishtb.   | -   | -4.25  |
| Gingertb.  | 5.25  | -5.50  |
| Gingergrasstb.   | 2.75  | -3.00  |
| Hemlock, 40 lb. cans   | _   | - 1.25   |
| Juniper Berries, rect  | 1.20  | - 1.25   |
| Wood   | .50   | 55   |
| Wood   | 3.00  | -4.50  |
| Spike, Spanish   | .80   | 90   |
| Lemon, Italian, 25 lb. copfb.  | .75   | 85   |
| American   |   | 75   |
| Lemongrass, Nativefb.  | .95   | -1.00  |
| Limes, Expressedb.   | 3.15  | - 3.25   |
| Distilledtb.   | .55   | 60   |
| Linaloe, 80 lb. casestb.   | 2.50  | -2.60  |
| Mace, distilledtb.   | 1.00  | - 1.10   |
|  |   |  |
| Mirbane, ref., see Aromatic Cl   |   | ls   |
| Mirbane, ref., see Aromatic Cl. Mustard, natural, 1 lb. bottb.   | -   | 1s<br>-17.00   |
| Mirbane, ref., see Aromatic Cl<br>Mustard, natural, 1 lb. bottb.<br>Artificial   | _   | -17.00<br>- 3.25   |
| Mirbane, ref., see Aromatic Cl<br>Mustard, natural, 1 lb. bottb.<br>Artificial   | 8.00  | -17.00<br>- 3.25<br>-25.00   |
| Mirbane, ref., see Aromatic Cl<br>Mustard, natural, 1 lb. bottb.<br>Artificial   | 8.00<br>10.00   | -17.00<br>- 3.25<br>-25.00<br>-30.00   |
| Mirbane, ref., see Aromatic Cl<br>Mustard, natural, 1 lb. botb.<br>Artificialb.<br>Neroli Bigaradeoz.<br>Petaleoz.<br>Artificialb.   | 8.00<br>10.00<br>10.00  | -17.00<br>- 3.25<br>-25.00<br>-30.00<br>-15.00   |
| Mirbane, ref., see Aromatic Cl<br>Mustard, natural, 1 lb. botb.<br>Artificialb.<br>Neroli Bigaradeoz.<br>Petaleoz.<br>Artificialb.   | 8.00<br>10.00<br>10.00<br>1.00  | -17.00<br>- 3.25<br>-25.00<br>-30.00<br>-15.00<br>- 1.10   |
| Mirbane, ref., see Aromatic Cl<br>Mustard, natural, 1 lb. botb.<br>Artificialb.<br>Neroli Bigaradeoz.<br>Petaleoz.<br>Artificialb.   | 8.00<br>10.00<br>10.00<br>1.00<br>2.15  | -17.00<br>- 3.25<br>-25.00<br>-30.00<br>-15.00<br>- 1.10<br>- 2.20   |
| Mirbane, ref., see Aromatic Cl<br>  Mustard, natural, 1 lb. botlb.  <br>  Artificial   | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55  | -17.00<br>-3.25<br>-25.00<br>-30.00<br>-15.00<br>-1.10<br>-2.20<br>-2.60   |
| Mirbane, ref., see Aromatic Cl<br>  Mustard, natural, 1 lb. bot. lb.<br>  Artificial   lb.  <br>  Neroli. Bigarade   oz.  <br>  Petale   oz.  <br>  Artificial   lb.  <br>  Nutmeg, U.S.P.   lb.  <br>  Grange, bitter   lb.  <br>  Sweet, West Indian   lb.  <br>  Italian   25 lb. cop.   lb.  | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10  | -17.00<br>-3.25<br>-25.00<br>-30.00<br>-15.00<br>-1.10<br>-2.20<br>-2.60<br>-3.25  |
| Mirbane, ref., see Aromatic CI   Mustard, natural, 1 lb. bot., lb.   Artificial bo.   Neroli. Bigarade oz.   Petale oz.   Artificial lb.   Nutmeg, U.S.P lb.   Norange, bitter lb.   Sweet, West Indian lb.   Italian, 25 lb. cop lb.   American lb.   | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10  | -17.00<br>-3.25<br>-25.00<br>-30.00<br>-15.00<br>-1.10<br>-2.20<br>-3.25<br>-3.25  |
| Mirbane, ref., see Aromatic Cl   | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10  | -17.00<br>-3.25<br>-25.00<br>-30.00<br>-15.00<br>-1.10<br>-2.20<br>-2.20<br>-3.25<br>-3.25<br>-3.25  |
| Mirbane, ref., see Aromatic CI   Mustard, natural, 1 lb. bot., lb.   Artificial  | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>  | 11s  |
| Mirbane, ref., see Aromatic Cl   | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>2.55<br>5.00<br>9.00  | -17.00 -3.25 -25.00 -30.00 -15.00 -1.10 -2.20 -2.20 -3.25 -3.25 -3.05 -5.50 -11.00   |
| Mirbane, ref., see Aromatic CI   Mustard, natural, 1 lb. bot., lb.   Artificial  | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>2.5<br>5.00<br>9.00   | -17.00 -3.25 -25.00 -30.00 -15.00 -1.10 -2.20 -2.60 -3.25 -3.25 -3.00 -5.50 -11.00 -1.75   |
| Mirbane, ref., see Aromatic CI Mustard, natural, 1 lb. bot. lb. Artificial bb. Neroli. Bigarade oz. Petale oz. Artificial lb. Nutmeg, U.S.P. lb. Orange, bitter bb. Sweet, West Indian. lb. Litalian. 25 lb. cop. lb. American lb. Origanum, 55 lb. cans lb. Parsley lb. Patchouli lb. Pennyroyal, domestic lb. Imported lb.   | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>25<br>5.00<br>9.00<br>1.10  | -17.00 -3.25 -25.00 -30.00 -15.00 -1.10 -2.20 -2.60 -3.25 -3.25 -3.05 -5.50 -11.00 -1.75 -1.20   |
| Mirbane, ref., see Aromatic CI Mustard, natural, 1 lb. bot. lb. Artificial bb. Neroli. Bigarade oz. Petale oz. Artificial lb. Nutmeg, U.S.P. lb. Orange, bitter bb. Sweet, West Indian. lb. Litalian. 25 lb. cop. lb. American lb. Origanum, 55 lb. cans lb. Parsley lb. Patchouli lb. Pennyroyal, domestic lb. Imported lb.   | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>25<br>5.00<br>9.00<br>1.10  | 11s - 17.00 - 3.25 - 25.00 - 30.00 - 15.00 - 1.10 - 2.20 - 2.60 - 3.25 - 3.25 - 3.05 - 5.50 - 11.00 - 1.75 - 1.20 - 1.95   |
| Mirbane, ref., see Aromatic Cl Mustard, natural, 1 lb. bot. lb. Artificial bot. Artificial bot. Petale oz. Artificial bot. Nutmeg, U.S.P lb. Norange, bitter lb. Sweet, West Indian lb. Italian, 25 lb. cop lb. American lb. Origanum, 55 lb. cans lb. Parsley lb. Parsley lb. Parthouli lb. Pennyroyal, domestic lb. Pennyroyal, domestic lb. Penpermint Natural, tins lb. Redistilled, U.S.P lb. Redistilled, U.S.P lb. Redistilled, U.S.P lb.                                   | 8.00<br>10.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>25<br>5.00<br>9.00<br>1.10<br>1.85<br>2.15                        | 11s - 17.00 - 3.25 - 25.00 - 30.00 - 15.00 - 2.20 - 2.60 - 3.25 - 30.25 - 30.25 - 11.00 - 1.75 - 1.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 |
| Mirbane, ref., see Aromatic CI Mustard, natural, 1 lb. bot. b. Artificial b. Neroli. Bigarade oz. Petale oz. Artificial b. Nutmeg, U.S.P. bb. Orange, bitter b. Swect. West Indian. b. Italian. 25 lb. cop. bb. American b. Origanum, 55 lb. cans. lb. Parsley b. Patchouli b. Pennyroyal, domestic b. Imported b. Peppermint Natural, tins. b. Redistilled, U.S.P. b. Japanese, thrice rect. b.   | 8.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>25<br>5.00<br>9.00<br>1.85<br>2.15<br>1.60                                 | 11s - 17.00 - 3.25 - 25.00 - 30.00 - 15.00 - 1.10 - 2.20 - 2.60 - 3.25 - 3.25 - 3.05 - 5.50 - 11.00 - 1.75 - 1.20 - 1.95   |
| Mirbane, ref., see Aromatic CI Mustard, natural, 1 lb. bot. b. Artificial b. Neroli. Bigarade oz. Petale oz. Artificial b. Nutmeg, U.S.P. bb. Orange, bitter b. Swect. West Indian. b. Italian. 25 lb. cop. bb. American b. Origanum, 55 lb. cans. lb. Parsley b. Patchouli b. Pennyroyal, domestic b. Imported b. Peppermint Natural, tins. b. Redistilled, U.S.P. b. Japanese, thrice rect. b.   | 8.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>25<br>5.00<br>9.00<br>1.10<br>1.85<br>2.15<br>1.60<br>1.65                 | 11s - 17.00 - 3.25 - 25.00 - 30.00 - 15.00 - 2.20 - 2.60 - 3.25 - 30.25 - 30.25 - 11.00 - 1.75 - 1.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 - 2.20 |
| Mirbane, ref., see Aromatic Cl Mustard, natural, 1 lb. bot. lb. Artificial bot. Artificial bot. Petale oz. Artificial bot. Nutmeg, U.S.P lb. Norange, bitter lb. Sweet, West Indian lb. Italian, 25 lb. cop lb. American lb. Origanum, 55 lb. cans lb. Parsley lb. Parsley lb. Parthouli lb. Pennyroyal, domestic lb. Pennyroyal, domestic lb. Penpermint Natural, tins lb. Redistilled, U.S.P lb. Redistilled, U.S.P lb. Redistilled, U.S.P lb.                                   | 8.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>25<br>5.00<br>9.00<br>1.10<br>1.85<br>2.15<br>1.60<br>1.65                 | .1s  |
| Mirbane, ref., see Aromatic Cl Mustard, natural, 1 lb. bot. lb. Artificial b. Neroli. Bigarade oz. Petale oz. Artificial lb. Nutmeg, U.S.P. lb. Nutmeg, U.S.P. lb. Orange, bitter lb. Italian, 25 lb. cop. lb. American lb. Origanum, 55 lb. cans. lb. Parsley lb. Parsley lb. Parsley lb. Pennyroyal, domestic lb. Imported lb. Peppermint Natural, tins. lb. Redistilled, U.S.P. lb. Redistilled, U.S.P. lb. Lapanese. thrice rect. lb. Petit Grain, So. America. lb. French lb. | 8.00<br>10.00<br>1.00<br>1.00<br>2.15<br>2.55<br>3.10<br>25<br>5.00<br>9.00<br>1.10<br>1.85<br>2.15<br>1.60<br>1.65<br>7.50 | .1s  |
| Mirbane, ref., see Aromatic CI Mustard, natural, 1 lb. bot., lb. Artificial lb. Veroli. Bigarade oz. Petale oz. Artificial lb. Nutmeg, U.S.P lb. Norange, bitter lb. Sweet, West Indian lb. Italian, 25 lb. cop lb. American lb. Origanum, 55 lb. cans lb. Parsley lb. Parsley lb. Imported lb. Imported lb. Peppermint Natural, tims lb. Redistilled, U.S.P lb. Japanese. thrice rect lb. Petit Grain, So. America lb. Petit Grain, So. America lb.                               | 8.00<br>10.00<br>1.00<br>2.15<br>2.55<br>3.10<br>.25<br>5.00<br>9.00<br>1.10<br>1.85<br>2.15<br>1.60<br>1.65<br>7.50        | .1s  |

## **Essential Oils**

and

Aromatic Chemicals

for

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# OILS ESSENTIAL OILS

## **Aromatic Chemicals**

Manufacturers Importers Exporters

Correspondence Solicited

FRITZSCHE BROTHERS

Inc.

**NEW YORK** 

### Aromatic Chemicals

| Rose, Frenchoz.                    | -     | 10.00  |
|------------------------------------|-------|--------|
| Bulgarianoz.                       | 7.00  | - 8.00 |
| Artificialoz.                      | 2.50  | - 3.00 |
| Rosemary, U.S.Ptb.                 | .55   | 60     |
| Techtb.                            | .40   | 45     |
| Rue                                | 3.25  | - 3.75 |
| Sandalwood, East Indian 1b.        | 7.10  | -7.25  |
| West Indiantb.                     | 4.00  | -4.10  |
| Sassafras, natural, 50 lb. cansib. | _     | 85     |
| Artificialb.                       | .45   | 46     |
| Savintb.                           | 4.00  | -4.25  |
| Spearminttb.                       |       | -3.50  |
| Spruce, 40 lb. cans                | -     | 1.25   |
| Tansy, Amertb.                     | _     | -11.00 |
| Tar, bblsgal.                      | .28   | 30     |
| Refined, U. S. P., cansgal.        |       | -1.00  |
| Thyme, red, U.S.Pb.                |       | - 1.15 |
| White, U.S.Pb.                     | 1.15  | - 1.25 |
| Crudeb.                            | .95   | - 1.00 |
| Vetivert, Bourbontb.               | 4.75  | -6.00  |
| Javab.                             |       | -28.00 |
| Wine, heavytb.                     | -     | - 2.75 |
| Wintergreen, sweet birchfb.        | 2.25  | -2.40  |
| Gaultheria Genuine                 |       | 8.00   |
| Synthetic, U.S.P., bulktb.         | .35   | 37     |
| Wormseed Baltimorefb.              | 2.60  | - 2.7à |
| Wormwood Domtb.                    | 11.50 | -12.00 |
| Ylang Ylang, Bourbon               | 9.00  | -10.00 |
| Manilatb.                          |       | -40.00 |
| Artificial                         |       | -10.00 |
|                                    |       |        |

### Oleoresins

| Aspidium (Malefern)tb |      |               |
|-----------------------|------|---------------|
| Capsicumtb.           |      |               |
| Cubeb                 | 6.40 | - 6.50        |
| Gingertb.             | 2.60 | - 2.75        |
| Maleferntb.           | 2.75 | -3.00         |
| Mullein (so-called)   |      |               |
| Orristb               |      | -18.00        |
| Pepper, blacktb.      | 4.50 | - 5.00        |
| Vanillatb             | 8.50 | <b>— 9.50</b> |

### Perfumers' Sundries

| Almond Mealtb.                   | .28   | _  | .30   |
|----------------------------------|-------|----|-------|
| Ambergris, blackoz.              | _     | _  | 8.00  |
| Ambergris, gray                  | _     | -2 | 25.00 |
| Bergamot Peel                    | -     |    | 1.25  |
| Chalk, precipitated              | .023  | 4- | .03   |
| Civet02                          | 2.75  | _  | 3.00  |
| Lanolin hydrous                  | .12   | _  | .15   |
| Lanolin anhydrous                | .14   | -  | .15   |
| Musk Cab., podsoz.               |       |    |       |
| Musk, Cab., grainsoz.            | 25.00 | -2 | 6.00  |
| Musk, Tonquin, grainsoz.         | 32.00 | -3 | 3.00  |
| Musk, Tonquin, podsoz.           | 17.00 | -1 | 9.00  |
| Oak Mosstb.                      | .40   | -  | .50   |
| Orris Root, Florentine, wholelb. | .085  | 4  | .09   |
| Verona                           | _     | _  | .07   |
| Powdered, Grantb.                | .08   | _  | .12   |
| Rice Starchtb.                   | .06   | -  | .08   |
| Sandalwood, chips and ground th. | -35   | _  | .40   |
| Talc, Italianton                 | 38.00 | -4 | 0.00  |
| Tale, Frenchton                  | 20.00 | -2 | 5.00  |
| Tale, domesticton                | 17.00 | -1 | 8.00  |
|                                  |       |    |       |
|                                  |       |    |       |

### Aromatic Chemicals

### Natural Derivatives

| ٦ |             |          |        |
|---|-------------|----------|--------|
|   | Anethol     | tb. 1.75 | - 2.50 |
| ı | Borneol     | m. —     | -3.50  |
| İ | Citronellal | tb. 1.75 | -2.00  |
| 1 | Citral      | b. 3.00  | -3.50  |
| ı | Eucalyptol  | b80      | 82     |
| ١ | Eugenol     | b. 3.25  | -3.50  |
| ı | Geraniol    | h 2.50   | -3.25  |
| I | Iso-Eugenol | b. 4.00  | -4.25  |
| ı | Linalool    | b. 4.50  | -5.50  |
| ŀ | Menthol     | b. 5.50  | -6.00  |
| I | Rhodinol    |          | -15.00 |
| Į | Rhodinol    |          | 60     |
|   |             |          |        |

### Synthetic Aromatics

|   | Acetophenone, C.Pb.                          | 3.50  | - 4.00 |
|---|--|-------|--------|
|   | Amyl Acetate, C.Pb.                          | .50   | 75     |
|   | Amyl Butyratetb.                             | 2.00  | -2.10  |
|   | Amyl Formatetb.                              | 1.75  | 2.00   |
|   | Amyl Salicylate, 100 lb. cbys.tb.            | 1.25  | - 1.40 |
|   | Anisic Aldehydetb.<br>Benzaldehyde, U.S.Ptb. | 4.00  | - 4.25 |
|   | Benzaldehyde, U.S.Ptb.                       | 1.40  | - 1.50 |
|   | Free From Chlorinetb.                        | 1.60  | - 1.70 |
|   | Benzyl Alcohol                               | 1.15  | 1.20   |
|   | Benzyl Alcoholtb.                            | 1.10  | - 1.25 |
|   | Benzyl Benzoatetb.                           | 1.35  | - 1.50 |
|   | Benzyl Formateb.                             | 3.50  | - 3.75 |
|   | Bromstyroltb.                                | _     | - 4.50 |
|   | Cinnamic Acidtb.                             | 2.75  | - 3.00 |
|   | Cinnamic Alcoholtb.                          | 15.00 | -16.00 |
|   | Cinnamic Aldehyde                            | 3.25  | - 4.00 |
|   | Citronellolb.                                | 8.00  | -10.00 |
| ł | Coumarintb.                                  | 3.00  | - 3.25 |
|   | Diethyl Phthalateb.                          | .85   | 90     |
|   | Diphenyloxide                                | .85   | 90     |
|   | Ethyl Cinnamateb.                            |       | - 5.50 |
|   | Geranyl Acetatetb.                           | 5.25  | 5.50   |
|   | Heliotropintb. Indol, C. Poz.                | 2.75  | - 3.00 |
|   | Indol, C. Poz.                               | 10.00 | -11.00 |
| l | Linalyl Acetatetb.                           | 8.00  | - 9.00 |
|   | Linalyl Benzoate                             | 14.00 | -15.00 |
|   | Linalyl Benzoate                             | 4.25  | - 4.50 |
|   | Methyl Cinnamate th                          | 5.00  | - 5.50 |
|   | Methyl Paracresol                            | 8.00  | - 9.00 |
|   | Methyl Salicylatetb.                         | .35   | 37     |
|   | Resale, 50 lb. casestb.                      | .33   | 34     |
|   | Mirbane, rect., drums extra.tb.              | .10   | 11     |
|   | Musk Ambrettetb.                             | 12.00 | -14.00 |
|   | Musk Ketonetb.                               | 9.00  | -10.00 |
|   | Musk Xylenetb.                               | 2.25  | - 2.75 |
|   | Nerolintb.                                   | 2.25  | - 2.50 |
|   | Phenylacetaldehydetb.                        | 7.50  | - 9.00 |
|   | Phenylacetic Acidtb.                         | 2.50  | -3.00  |
|   | Phenylethylalcoholtb.                        | 4.00  | - 5.00 |
|   | Terpenyl Acetate                             | 1.65  | - 1.75 |
|   | Terpineol, C. Ptb.                           | .50   | 60     |
|   | Vanillinoz.                                  |       | 50     |
|   | Violet, artificial (Ionone)fb.               | 7.50  | - 8.00 |
|   | Yara Yara Crystals                           | 2.25  | - 2.50 |
|   |  |       |        |

**CHIRIS** 

# Essential Oils

and

Synthetic Aromatic Chemicals

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Manufacturing Chemists

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ALOES

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## Imports of Chemicals, Dyestuffs, Drugs, etc.

### Imports at New York from June 3 to June 10

ACIDS—Citric, 1100 pgs., Order, Palermo; 300 cks., Order, Palermo; Cresylic, 14 drs., General Bakelite Co., Liverpool; 12 drs., Lunham, Moore, Rotterdam; 3 drs., Order, oore, Rotterdam; 3 drs., Onte., Duchloro-Sulfo-Pyrazolon-Carbo-ks., Sandoz Chem. Wks., Ant-Lunham, Moore, Liverpool; Duchloro-Sulfo-Pyraz-xylic, 11 cks., Sandoz Chem. Wks., Ant-werp; Paramido Salicylic, 8 cks., Chem. wat. Bk., Hamburg; Phosphorus, 10 cs., Nat. Bk., Hamburg; Phosphorus, 10 cs., Order, Hamburg. ALOES—240 cs., C. F. Hermandez Sons,

AMMONIUM SALTS—Carbonate, 40 cks., Brown Bros. Co., Liverpool; 10 cks., Order, Hamburg; Murate, 83 cks., Wing & Evans, Liverpool; Persulfate, 20 cks., Brown Bros.,

& Co., Antwerp.

ANNATTO—99 bgs. Huth Gillespie & Co.,

Jamaica. ANTIJSYRINE—7 cs., Order, London. ARGOLS—Crude, 179 bgs., C. Pfizer & Co., Rotterdam.

Rotterdam.

BALSAM—Scs., Ultramares Corp., Acayutla;
10 cs., Comm. Bk. of Span.-Amer., Arcayutla; 20 cs., Neuss Hesslein & Co., La
Libertad; 24 bbls., Netramares Corp., Ma-

BARIUM SALTS-Carbonate, 500 dbl. bgs MAKUM SALTS—Carbonate, 500 dbl. bgs., Meteor Prods. Co., Antwerp; Chlorate, 61 bbls., Irving Nat. Bk., Hamburg; Chloride, 14 bls., Order, Antwerp; 36 cks., Order, Hamburg; Hydrate, 32 bbls., Iscoga Chem. Co., Hamburg; Superoxide, 92 kgs., W. A. Brown & Co., Rotterdam; 35 drs., Order, Hamburg Hamburg

Hamburg.

BARK—Cinchona, 11 cs., Peek & Velsor,
Rotterdam.

BARYTES—50 cks., Order, Bremerhaven; 79
cks., Order, Hamburg.

BERRIES—Juniper, 132 bgs., Order, Ham-

burg. BITTERS-200 cs., J. W. Nupperman, Trini-

dad.
BITTER SALT—500 bgs., Order, Hamburg.
BLEACHING POWDER—50 cs., H. Kohnstamm & Co., Liverpool.
BARACITE—1200 tons, Pacific Coast Borax
Co., Panderma.

Co., Panderma.

ROMIDES—69 cs., Order, Hamburg.

BRONZE POWDER—24 cs., B. F. Drakenfeld & Co., Bremerhaven; 23 cs., Baer Bros., Bremerhaven; 16 cs., 5 cks., Amer. Exp. Co., Hamburg; 4 cs., C. B. Richard & Co., Hamburg; 4 cs., Baer Bros., Hamburg; 4 cs., Exp. Co., Exp. C

CALCIUM BICARBONATE—9 bbls., Irv-ing Nat. Bk., Hamburg. CARBAZOL—13 cks., A. Klysstein & Co., CARBOLACENE-50 bbls., Carbolacene Co.

CARBOLACENE—50 bbls., Carbolacene Co. of Amer., Liverpool.

CASEIN—2 bgs., Globe Shpg. Co., Rotterdam: 819 bgs., Order, Buenos Aires.

CHALK—100 bgs., 200 bbls., Bankers Trust Co., Antwerp: 500 bgs., Irving Nat. Bk., Antwerp: 8 cks., B. Moore & Co., Antwerp: 500 bgs., Lunhen & Co., Antwerp. CHEMICAL MANURE—20 bgs., F. R. Pierson, London.

werp: 500 bgs., Lunhen & Co., Antwerp. CHEMICAL MANURE—20 bgs., F. R. Pierson, London.
CLAY—6 bbls., Pencil Co., Hamburg; Blue, 45 cks., Kern Comm. Co., Rotterdam; Crude, 52 cks., Lunham & Moore, Bremen.
COCHINEAL—25 bgs., Order, Liverpool.
COCOA BUTTER—334 cs., Royal Bk. of Canada, Rio de Janeiro.
COLORS—19 cks., Hensel Bruckmann, & Lorbacher, Rotterdam; 20 cks., Kuttroff Pickhardt & Co., Rotterdam; 25 bbls., Geigg Co., Rotterdam; 97 cks., Textile Alliance, Rotterdam; 2 cylinders, 3 cks., Fexpert & Co., Antwerp; 20 cylinders, 7 cks., Sandoz Chem. Wks., Antwerp; 1 csc., S. Stern & Stern, Hamburg; 39 cks., Geigg Co., Havre; 8 cks., Irving Nat. Bk., Havre; 1 csc., T. O'Homel Co., Liverpool; 2 cs., Order, London; 4 bbls., 1 csc., Commonwealth Color & Chem. Co., Genoa; 21 bbls., H. H. Ackerman, Genoa; 1 csc., B. Nicolo, Genoa; Bronze, 12 cs., M. J. Corbett & Co., Bremerhaven; Metachrome Olive Brown, 1 ck., Kuttroff Pickhardt & Co., Liverpool; Earth, 120 bbls., Reichard Coulston, Inc., Malaga; 78 bbls., Hummel & Robinson Corp., Hamburg; 44 cks., Fezandee & Sperrle, Bremen; 32 cks., Nat. City Bk., Hamburg.

CRESOL—121 drs., Celluloid Co., London.
CYANDAPPEL SALTS—8 chests, Philipsp
Bros., Hamburg.
DIMETHYL-PHENYL-PYRAZOLON — 4

cs., McKesson & Robbins, Antwerp. DUR DUR-332 bgs., Amer. Tradg. Co.,

Maracarbo. Maracarbo.

EARTH—95 bbls., 300 bgs., Order, Leghorn;
Clay, 156 cks., R. W. Greef & Co., Rotterdam; White, 500 cks., Mech.'s & Metals
Nat. Bk. of N. Y., Oran.

EPSOM SALT—500 bgs., A. Klipstein &
Co., Hamburg. 2300 bgs., Superfos Co.,
Hamburg.

Co., Hamburg, Hamburg, TNOL-8 cs., Order, Rotterdam, EDINOL DINOL—8 cs., Order, Rotterdam.
XTRACTS—Archil Liquid, 10 cks., W. A.
Ross & Bro., Liverpool; Gallic, 10 bls.,
Geigy Co., Rotterdam; Quebracho, 9708
bgs., Tannin Corp., Buenos Aires; 1242
bgs., Beckman Winthrop Internt'l. Produce

bgs., Beckman Winthrop Internal Produce Co., Buenos Aires, FLOWERS—Camomile, 11 cs., A. Joensson & Co., Hamburg. FLUOR SPAR—66 bgs., Roessler & Hass-lacher Chem. Co., Hamburg. FULLERS EARTH—550 bgs., L. A. Saloman

GLAUBER SALT-135 cks., Order, Ham-

GLATINE—30 cs., P. Puttmann, Rotterdam; 21 cs., P. C. Zuhlke, Rotterdam; 45 bbls., H. A. Sinclair, Rotterdam; 80 drs., Order, London; 9 cs., Cox Gelatine Co., Glasgow; Powder, 60 bbls., E. D. Rogers Co., Marseilles; Sheets, 180 bls., 20 cs., E. D. Rogers Co., Marseilles; Sheets, 180 bls., 20 cs., E. D. Rogers Co., Marseilles, GLUE—93 bls. W. E. Miller, Antwerp; 100 bls., Isaacs & Co., Marseilles.
GLUE—16 cs., A. & M. Karaghensean, Bombay; 70 cs., Order, Bombay; 197 cs., Order, Liverpool; Chicle, 43 bls., Alex Exploration Co., Progreso; Copal, 204 bgs., Intern. Bkg. Corp., Antwerp; 27 bgs., Chem. Nat. Bk., London; 47 bgs., Order, London; 40 bgs., Internat'l. Bk. Corp., London; 47 bgs., Order, London; 48 bgs., Order, London; 47 bgs., Order, London; 205 bgs., Brown Bros. & Co., Antwerp; 250 bgs., Central Union Trust Co., Antwerp; 210 bgs., Columbia Bk., Antwerp; 250 bgs., Nat. City Bk., Antwerp; Damar, 50 cs., G. H. Lincks, Rotterdam; 50 cs., 270 bkts., Order, Rotterdam; 50 cs., Order, London; Chatte, 60 bgs., Irving Nat. Bk. Bombay; G. H. Lincks, Rotterdam; 50 cs., 270 bkts., Order, Rondon; Ghatty, 60 bgs., Irving Nat. Bk., Bombay; Kadaya, 134 bgs., Birt. Bk. of So. Amer., Bombay; Kauri, 6 cs., Lazard Freres, London; Kordofan, 250 bgs., Order, Liverpool; Perillo, 206 bls., W. Wrigley Jr. & Co., Pueto, Colombia.

ELIOTROPEN—50 cs., Morana, 1nc.,

HEXALIN-1 crte., H. J. Baker & Bro.,

Hamburg.
IODINE—23 kgs., Powers-Weightmann Rosengarten Co., London.
IRON OXIDE—80 bbls., J. L. Smith & Co., Malaga; 25 cks., J. L. Smith & Co., Liverpool; 23 cks., L. H. Butcher & Co., Liverpool; 20 cks., J. A. McNulty, Southamp-

LEAVES-Stramonium, 2 bgs., Holland Amer. Line, Rotterdam.

LIME JUICE-280 cs., J. P. Smith & Co.,

LITHOPONE-60 cks., Reichard Coulston, Rotterdam.

MANGANESE CHLORIDE—26 cks., Order, Hamburg; 12 bbls., W. Schall & Co., Ham-

MAGNESITE-92 cks., A. Kramer & Co.,

89 drs., Hansa MAGNESIUM SALTS—Chloride, 89 drs., Irving Nat. Blk., Hamburg; 304 drs., Hansa Co., Hamburg; 729 drs., Brown Bros. & Co., Hamburg; Sulfate, 390 cks., Order,

MANURE SALT-270,100 kilos, A. Vogel, Hamburg.

METHYL PHENYLACETATE-1 cse., Mo-

CREOSOTE—2 cs., E. Fougera & Co., London.
don.
CRESOL—121 drs., Celluloid Co., London.
CYANDAPPEL SALTS—8 chests, Philipsp
Bros., Hamburg.

MOLYBDENITE—2058 bgs., H. A. Watson & Co., London; 125 bgs., Order, Liverpool; 284 bgs., Order, London.
MYROBOLANS — Crushed, 1056 pocketa, Standard Bank of So. Africa, Calcutta;

Standard Bank of So. Africa, Calcutta; Whole, 11,944 pockets, Standard Bk. of So. Calcutta.

NAPTHALENE—347 bgs., Irving Nat. Bk., Hamburg; 586 bgs., Crder, Hamburg. NICKEL-Shot, 62 cs., J. Batt & Co., Glas-

OCHRE-50 bbls., C. J. Osborn Co., Malaga; Red, 76 ck., J. L. Smith & Co., Hull.

OCHRE—50 bbls., C. J. Osborn Co., Malaga; Red, 76 ck., J. L. Smith & Co., Hull; OILS—Castor, 112 bbls., Netherland Chem. Co., Hull; Linseed, 290 cks., Order, Antwerp; 291 bbls., E. Boissevain & Co., Rotterdam; 293 bbls., Nairn Lino Co., Rotterdam; 173 bbls., J. Dpringer, Rotterdam; 238 bbls., Netherland Chem. Co., Rotterdam; 347 bbls., Order, Rotterdam; 584 bbls., Order, Rotterdam; 584 bbls., Order, Rotterdam; 584 bbls., Order, Antwerp; 860 tons, Amer. Linseed Co., Hull; 326 cks., Order, Bremen; 900 tons, Guaranty Trust Co., Hull; 877 bbls., Order, Hull; Lubricating, 10 bbls., Order, Antwerp; Mineral, 5 drs., E. Lilly Co., London; Oive, 100 cs., Nat. City Bk., Leghorn; 500 cs., 50 bbls., Order, Leghorn; 1 cse., Amer. Shpg. Co., Genoa; 4 bbls., Gallagher & Ascher, Naples; 5 bbls., G. Martiguetti, Naples; 5 bbls., F. Arene, Messina; 7 bbls., F. Marciono, Messina; 4 bbls., F. Mazza, Messina; 6 bbls., Hudson Fwdg. Co., Messina; 4 cs., Meduri Bros., Messina; 4 bbls., Campo, Salv, Messina; 15 bbls., F. Cosenja, Messina; 14 bbls., P. Puliatti, Messina; 26 pgs., Order, Naples; 6 cks., Hudson Fwdg. & Shpg., Co., Palermo; 38 Gallagher & Ascher, Naples; 5 obls., F. Arene, Messina; 7 bbls., F. Marciono, Messina; 4 bbls., F. Marcy, Messina; 7 bbls., F. Marcy, Messina; 6 bbls., Hudson Fwdg. Co., Messina; 4 cs., Meduri Bros., Messina; 15 bbls., F. Cosenja, Messina; 6 bbls., P. Puliatti, Messina; 26 pgs., Order, Naples; 6 cks., Hudson Fwdg. & Shpg., Co., Palermo; 18 cs., J. Mnurooe & Co., Genoa; 100 cs., Swenger & Bienenstork, Genoa; 100 cs., Latorracca Bros., Genoa; 600 cs., L. Fusco, Genoa; 100 cs., L. Fusco, Genoa; 100 cs., J. E. Cristiam, Inc., Genoa; 50 cs., Steele Wedels & Co., Genoa; 50 cs., Reyna Bros., Genoa; 100 cs., Lauro Bros., Genoa; 100 cs., Lauro Bros., Genoa; 100 cs., C. Basilea & Co., Genoa; 50 cs., Reyna Bros., Genoa; 100 cs., Lauro Bros., Genoa; 100 cs., C. Basilea & Co., Genoa; 50 cs., Reyna Bros., Genoa; 100 cs., C. Basilea & Co., Genoa; 100 cs., E. Mezzadri, Genoa; 142 cs., Order, Leghorn; 16 bbls., G. Ventra, Messina; 1 bbl., F. Polimeni, Messina; 1 bbl., Tedesi & S., Messina; 102 pgs., Order, Aleron; 300 cs., 50 bbls., East River Nat. Bk., Malaga; 40 cs., La Reguladora Co., Malaga; 55 cs., J. Tranguiz & Co., Malaga; 25 cs., Equitable Trust Co., Malaga; 125 cs., Eattery Park Nat. Bk., Malaga; 125 cs., Sobbls., Irving Nat. Bk., Malaga; 125 cs., Sobbls., Irving Nat. Bk., Malaga; 125 cs., Sobbls., Irving Nat. Bk., Malaga; 125 cs., Sheldon & Co., Genoa; 100 cs., Swenger & Biesnenstork, Genoa; 100 cs., Lowenger & Biesnenstork, Genoa; 100 cs., Swenger & Biesnenstork, Ge

Olls, ESSENTIAL—30 bbls., Order, Leghorn; 37 qt. cs., Order, Messina; 5 bbls., Mendez Bros, & Co., Malaga; 13 pkgs., Order, Malaga; 30 cks., Order, Buenos Aires; 1 drum, Bk. of the Manhattan Co., London; 9 cs., Polako Frutal Wks., Rotterdam;

50 cs., G. Amsinck & Co., Para; 4 drs., P.
L. Hague, Tampico; 10 cs., Ungerer & Co.,
London; 4 cs., Order, Naples; 10 cs., R.
J. Reynolds Tobacco Co., Bordeaux; 29
cs., Heidelbach Ickelheimer & Co., Messina;
75 cs., East River Nat. Bk., Messina; 14
cs., Order, Messina; 12 cs., Houbigant, Inc.,
Southampton; Amber, 3 drs., Order, Liverpool; Lemon, 150 qt. cs., Heidelbach Ickelheimer & Co., Messina; 100 pgs., Order,
Palermo; Orange, 32 cs., Brown Bros. & Co.,
Cardamon, 15 cs., Brown Bros. & Co.,
Cardamon, 15 cs., Brown Bros. & Co.,
Messina; Rose, 2 pots, Nat. Trdg. Co.,
Sombay.

PAW PAW JUICE-9 cs., Chase Nat. Bk.,

PHOSPHORUS-White, 150 cs., W. E. Mil-

ler, Antwerp.
PIASSAVA—1657 bdls., Order, Liverpool.
PIMENTO—500 bgs., J. E. Kerr & Co., King-

SALTPETRE-120 cks., Order, Hamburg. SAPONINE-15 cs., Pfaltz & Bauer, Ham-

burg.

EEDS—10 bgs., A. Prota, Naples; 26 bgs., A. Morici & Co., Naples: Anise, 20 bgs., Banco Aleman Transatl, Malaga; Caraway, 100 bgs., Stein Hall & Co., Rotterdam; Cardamon, 15 cs., Brown Bros. & Co., Bombay; 25 cs., First Nat. Bk. of Minn., London; Castor, 300 bgs., G. Amsinck & Co., Maranham; Colchicum, 50 bgs., A. Joensson & Co., Hamburg; Fsenugreek, 298 bgs., Order, Casablanca; Flax, 27,095 bgs., Amer. Linseed Co., Buenos Aires; 34,439 bgs., Order, Buenos Aires; 34,439 bgs., Order, Buenos Aires; 35,462 bgs., Order, Buenos Aires; 35,462 bgs., Catz Amer. Co., Rotterdam; 730 sks., P. F. Downing & Co., London; Rape, 142 bgs., C. J. Sperco & Son, Rotterdam; Sage Thyme, 1 blc., W. Van Doorn, Rotterdam.

HELLAC—16 cs., F. Henjes, Jr., Inc., Rot-

PIASSAVA—1657 bdls., Order, Liverpool.
PIMENTO—500 bgs., J. E. Kerr & Co., Kingston.
POTASSIUM SALTS—65 cks., Brown Bros. & Co., Hamburg: Alum, 34 cks., Order, Hamburg: Bromide. 50 cs., C. B. Richard & Co., Hamburg: 50 cs., C. B. Richard & Co., Hamburg: 50 cs., C. B. Richard & Co., Hamburg: 17 cs., Chem. Nat. Bk., Hamburg: Carbonate. 61 cks., C. Hardy & Ruperty, Hamburg: Caustic, 65 drs., Peters White & Co., Hamburg: 188 drs., N. Y. Trust Co., Hamburg: 188 drs., N. Y. Trust Co., Hamburg: 198 drs., N. Y. Trust Co., Hamburg: 190 cks., Roessler & Hasslacher Chem. Co., Hamburg: Chlorate, 70 cks., Globe Shgg. Co., Hamburg: Chlorate, 70 cks., Globe Shgg. Co., Hamburg: 10000 bgs., A. Vogel, Hamburg: Muriate, 7000 bgs., A. Vogel, Hamburg: Muriate, 4 cks., Metcor Products Co., Antwerp; Sulfate. 3500 bgs., A. Vogel, Bremerhaven, 193 drs., Order, London. PYRIDINE—3 drs., Order, London.
POCHELLE SALTS—1 kg., E. Fougera & Co., London: Salta, Hamburg: Saltakhurg: Genian, 49 bls., McLaughlin, Gormley & King, Bordeaux; Ginger, 46 bgs., D. P. Cruikshank, Ponce: Orris, 3 cs., 72 bgs., Order, Leghorn; Sarsaparilla, 19 bls., H. Triest & Co., Vera Cruz.
RUKIN LACK—50 sks., Order, Hamburg: 10 cks., Superfos Co., Hamburg: 200 cks., Order, Hamburg: Sulfate, 407 cks., Chem. Nat. Bk., Ha SILVER & SULFIDE—2 cs., Hammer & Co., So. Pacific Ports.

SODIUM SALTS—Ash, 347 bbls., Wilson Chem. Co., Cristobal; Bisulfite, 100 drs., Chem. Nat. Bk., Rotterdam; 10 bbls., Chem. Nat. Bk., Hamburg; Caustic, 395 drs., Roessler & Hasslacher Chem. Co., Hamburg; Chlorate, 305 pgs., Brown Bros. & Co., Genoa; 305 pgs., Brown Bros. & Co., Genoa; 305 pgs., Irving Nat. Bk., Genoa; 203 pgs., Order, Genoa; 200 cks., Order, Hamburg; Hydrosulfite, 158 cks., Kutroff Puckhardt & Co., Rotterdam; Prussiate, 24 cks., H. J. Baker & Bro., Liverpool; 20 cks., Order, Glasgow; 31 cks., Irving Nat. Bk., Hamburg; 30 cks., Order, Glasgow; 31 cks., Irving Nat. Bk., Hamburg; Sulfide, 150 drs., A. Klipstein & Co., Antwerp; 130 drs., E. M. Sergeant & Co., Antwerp; 10 drs., W. A. Ross & Bro., Liverpool; 1 drum, C. de P. Field & Co., Liverpool; 16 cs., Chem. Nat. Bk., Hamburg; Sulfpdydrate, 112 drs., C. S. Grant & Co., Bremen: Titanium Oxalate. 10 cks., Nat. Amer. Bk., Hamburg; Yellow Prussiate, 45 cks., Meteor Products Co., Rotterdam; 20 cks., Anglo-So. Amer. Bk., Liverpool; 20 cks., Order, Liverpool.

SPICES—Capsicum, 145 bdls., Brown Bros. & Co., Bombay; Cloves, 250 bls., Order, London; Ginger, 1 bbl., Order, Aguadilla; 25 bbls., A. Papalia, Mayaguez; 40 bgs., fluth Gillespie & Co., Kingston; 50 bgs., f. E. Kerr & Co., Kingston; 100 bgs., Colonial Bk., Kingston; Mace, 10 bbls., Huth Gillespie & Co., Grenada; 43 pgs., Royal Bk. of Canada, Grenada; 8 pgs., D. L. Silverman, Grenada; 70 pgs., Bencsley Bros., Grenada; 150 bgs., Bencsley Bros., Grenada; 15 bgs., Middleton & Co., Grenada; 145 bgs., Royal Bank of Canada, Grenada; Pepper, Black, 178 bgs., Order, London; Red, 160 bdls., Irving Nat. Bk., Bombay.

Bombay.

SPONGES—55 bls., Amer. Sponge & Chamois Co., Havana; Refuse, 3 bls., Amer. Sponge & Chamois Co., Havana, Refuse, 7 bls., Amer. Sponge & Chamois Co., Havana.

SUMAC—140 bgs., Order, Palermo; Leaf, 100 bls., Order, Palermo.

TALC—625 sks., C. Mathew, Genoa; 200 bgs., Hammill Gillespie, Genoa; 2900 sks., L. A. Salomon & Bro., Bordeaux; 500 sks., Moore & Munger. Bordeaux; 500 bgs., Whittacker Clark & Daniels, Bordeaux; 3 cks., Kirchberger & Co., Bordeaux.

TAPIOCA—Siftings, 284 bgs., Order, Liverpool.

TARTAR—Cream, 100 kgs., Litter & Allen, Rotterdam; 20 cs., 20 cks., Order, Ham-

TURMERIC—381 bgs., Brown Bros. & Co., Bombay; 142 bgs., Brown Bros. & Co., Bombay. UMBER-36 cks., L. H. Butcher Co., Liver-

UREA-25 cs., Cooper & Cooper, Inc., Ham-

burg.
VANILLA BEANS—80 cs., Order, Havre; 58
cs., Thurston & Braideich, Bordeaux.
VIROL—43 cs., G. C. Cook & Co., London.
VITRANPHAME—4 cs., H. Malz, Antwerp.
WASHING BLUE—320 bgs., J. A. Chambers,
H.-II

Hull.

WAXES—Bees, 3 bgs, Order, Aguadella; 69
cs., Knauth Nachod & Kuhne, Rotterdam;
48 bgs., Order, Havana; 6 sks., A. Hupper
& Sons., So. Pacific Ports; Carnauba, 188
bgs., Lazard Freres, Para; Montan, 288
bags., Strohmeyer & Arpe Co., Hamburg.
ZINC SALTS—Ammonium Chloride, 68 bbls.,
A. Klipstein & Co., Antwerp; Oxide, 45
cks., N. Y. Trust Co., Rotterdam; 34 cks.,
L. H. Butcher & Co., Liverpool; 100 bbls.,
Order, Hamburg; Sulfite, 28 cks., Order,
Hamburg.

Hamburg.

### Patents

Copies of patents may be obtained as follows: United States, 10 cents each; send to United States Patent Office, Washington, D. C.; French, one franc; send to M. M. Belin et Cie, 56 Rue des Frances-Bourgeois, Paris, for patents of the years 1902-1907, and to L'Imprimerie Nationale, 88 Rue Vieille du Temple, Parls, for patents of later date. German, one mark; send to Patent Office, Berlin. British, eight pence; send to Patent Office, London. Postage must be sent for British patents. Stamps are not accepted in payment for U. S. patents. In ordering patents, the number, name of patentee and subject of invention must be stated.

Granted May 2, 1922

1,414,353—James Gayley, New York, N. Y. Recovery of potassium values from fumes.

1,414,762—Clinton Paul Townsend, Washington, D. C. Method of making hydrochloric acid.

1,414,793—James A. Singmaster and Frank G. Breyer, Palmerton, Pa. Manufacture of lithopone.

Granted May 9, 1922

Granted May 16, 1922

1,416,318—Emile Augustin Barbet, Paris, France. A process for the continuous distillation of glycerin from the weak glycerinous liquors obtained in fermentation processes.

1,416,616—Louis Crane, New York, N. Y. Non-removable cork.

Granted May 23, 1922

1,416,859—Ralph E. Montonna, Syracuse, N. Y. A process of producing benzyl alcohol.
1,417,139—George B. Burnham, Borosolvay, Calif. A process of recovering sodium carbonate sulphate from saline waters.
1,417,232—Herbert H. Dow, Midland, Mich. Method of making insecticides.

1,417,367—Courtney Conover, Philadelphia, Pa. A process for the manufacture of anthraquinone.

Granted May 30, 1922

1,1417,618—Otto Maas, Montreal, Quebec, Canada. A process of separating aqueous and other vapors from fluids and solids and for preparing dilute sulphuric acid.

1,417,702—Foord Von Bichowsky and John Harthan, Glendale, Calif. A process of producing cyanides.

1,417,875—Karl Wilke, Hochst-on-the-Main, Germany. Anthraquinone derivatives and process of making same.

1,417,887—Paul Comment, Mulhouse, Alsace, France. Manufacture of potassium sulphate and hydrochloric acid.

1,417,919—Daniel D. Jackson. Brooklyn, N. Y. A process of obtaining potassium from natural potassium compounds.

1,417,952—Emerich Szarvasy, Budapest, Hungary. A process to produce mixtures of hydrogen and nitrogen. Granted May 30, 1922

John T. Ensor, for years secretary and treasurer of the Griffith & Turner Co., manufacturers of fertilizers and chemicals, with factory and offices at Baltimore, died on June 5 after an illness of six months. He was born at Whitehall, Md., 56 years ago, and had been connected with the corporation named for the last thirty years.

J. A. Comer, a well-known chemist of Greater San Francisco, died at his home at Alameda, Cal., on May 29, following a short illness. Before coming to California he was located at Seattle, Wash. He was thirty-eight years old and had done much important work, particularly in connection with mining.

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### BUSINESS OPPORTUNITIES

WILL buy outright or finance small growing concern manufacturing or dealing in profitable line of chemicals, oils or paint materials, or will consider acting as distributor and sales agent. References and full information must be given in order to receive consideration. Box 182, DRUG & CHEMICAL MARKETS

EXCEPTIONAL opportunity for men and women introducing household necessities. Give age, etc. W. T. Rawleigh Co., Galena Street, Freeport, III.

A FIRM in Pittsburg representing several large chemical manufacturers desires a few additional commission accounts. Box 165, DRUG & CHEMICAL MARKETS.

WE have a plant equipped with the following machinery: autoclaves; filter presses; pumps; lead and wood tanks; jacketed enameled kettles; driers; steam and electric power. What have you to offer manufacturing in such plant. Box 169, DRUG & CHEMICAL MARKETS.

NAMES of Mexican Families of the United States. Guaranteed 99 per cent mail deliveries. Box 172, DRUG & CHEMICAL MARKETS.

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

### HELP WANTED

SALESMAN—We are a reputable jobbing house with an opening for an intelligent young man to sell a limited line of heavy chemicals. Previous experience is not absolutely necessary. None but those willing to start at the bottom and work hard and conscientiously should apply. It is a good opening for the right man. Box 180, DRUG & CHEMICAL MARKETS.

WANTED by large dyestuff manufacturer, experienced laboratory dyer for standardizing laboratory at Works. Apply in writing stating age, experience, salary expected. Box 179, DRUG & CHEMICAL MARKETS.

WANTED by New York crude drug house, representatives in St. Louis, Cincinnati and Indianapolis. Prefer men now handling allied accounts. Box 178, DRUG & CHEMICAL MARKETS.

WANTED young men for retail drug business. Must be registered. Good opportunities for the right men to receive working interest. Apply Schramm-Johnson Drugs, Salt Lake City, Utah.

EXPERIENCED crude drug man who can classify dry stock, one evening each week. Extra pay. Botanical. Box 167, DRUG & CHEMICAL MARKETS.

SALESMEN to sell Todd's Tonic, exclusive or side line. For particulars write Harry I. Neaman, 7213 Hamilton Ave., Pittsburgh, Pa.

### HELP WANTED

TABLET man wanted by pharmaceutical manufacturing house. Must be thoroughly experienced and able to do first class work. Give full particulars as to training and experience in first letter. Box 168, DRUG & CHEMICAL MARKETS.

WANTED manufacturing and analytical chemist at once. Give reference, experience and salary wanted. Address Manufacturer, 725 East 9th Street, Chattanooga, Tenn.

MAN familiar with chemical trade who knows how to sell. New York and Brooklyn territory. Good opportunity. Give all details in first letter. Box 166, DRUG & CHEMICAL MARKETS.

PHARMACEUTICAL salesman to represent large well established middlewest manufacturer selling drug trade direct. Box 263, DRUG & CHEMICAL MARKETS.

SALESMEN acquainted with druggists and doctors to the families of the centrals. State experience, territory and references. Box 162, DRUG & CHEMICAL MARKETS.

SALESMAN wanted for Philadelphia district by large dyestuff manufacturer. State past experience, salary expected and references, Box 160, DRUG & CHEMICAL MARKETS.

SALESMAN-experienced handling Zinc Oxide for large manufacturing concern. State salary desired and give reference. Box 174, DRUG & CHEMICAL MARKETS.

REPRESENTATIVES wanted by importers and manufacturers of quality preparations. No competition. Districts open in United States, Canada, and Mexico. Box 158, DRUG & CHEMICAL MARKETS.

ONE experienced drug and sundries salesman. Also experienced man to sell drug store fixtures and fountain for western Pennsylvania. Box 157, DRUG & CHEMICAL MARKETS.

### SITUATIONS WANTED

RESEARCH CHEMIST B.S., 23, excellent experience in organic research, broad general training. Desires connection with opportunity for advancement. Research work preferred. Box 177. DRUG & CHEMICAL MARKETS.

### DRUGS AND CHEMICALS

GINSENG and Hydrastis dry roots for sale. Green roots and stratified seed. BOTANICAL GARDENS, 83 East Ave., West Haven, Conn.

WANTED 5 tons of Kieselguhr. Offer Paris White, spot. Thac Industrial Products Corp., Trenton, N. J.

OFFER 2 bbls. Yellow Prussiate Potash, nearly anhydrous, 28c; 5 tons Asbestine Cold Water Paint, \$30.00; Globe Chemical Co., Cincinnati, Ohio.

MAGNESIUM Metal Powder. Want 5,000 pounds for delivery within sixty days. Submit sample and quotation and state mesh. Reply Box 181, DRUG & CHEMICAL MARKETS.

WANTED two tons Sal Ammoniac white grey, Bluestone, Oxalic Acid, Filter Press 14 to 20 inches diameter. Globe Chemical Co., Cincinnati, Ohio.

### DRUGS AND CHEMICALS

WANTED—Special offerings of large quantities on discontinued Items, close-outs, surplus materials patent medicines, medical and hospital supplies, druggists sundries, tollet articles, anything interesting to drug and department store trade. Box 148, DRUG & CHEMICAL MARKETS.

WE OFFER Potassium Cyanide English delivery from stock 112 lb. cases. The Chemical Products Company, 2533 Broadway, Cleveland, Ohio.

PURE Essential Oil Orange made by new process from ripe Californian fruit; Eastern sales connection wanted. Arthur Sutton, Lemon Grove, California.

SUBSCRIBER offers spot German Neosalvarsan in bond for export only at price less than replacement. Box 173, DRUG & CHEMICAL MARKETS.

### PLANT EQUIPMENT

GALVANIZED Tanks wanted, 250 to 500 gallons, light weight construction. Address Cheesman-Elliot Co., 639 Kent Avenue, Brooklyn, N. Y.

ONE NEW enameled Pfaudler Kettle, full jacketed, with agitator, bottom outlet, 200 gallons; also one new 30 inch iron Shriver Filter Press, open delivery, washing top; also one high pressure Autoclave without stirrer, 75 gallons capacity. A. Daigger & Co., 54 W. Kinzie St., Chicago, Ill.

SURPLUS plant equipment for manufacture pharmaceutical chemicals or chemically pure products. Items in excellent condition. Box 164, DRUG & CHEMICAL MARKETS.

PURCHASER for Yarway V Notch Recording Meter in steel case. Fifty thousand pound hourly capacity. Lever Bros. Co., Cambridge, Mass.

WANTED semi-automatic capsule filling machine, capsule size number one. Box 170, DRUG & CHEMICAL MARKETS.

WANTED purchaser for two Goulds Centrifugal Pumps, figure thirty-three hundred each, direct connected to motor. Lever Bros. Co., Cambridge. Mass.

FOR SALE zinc lined containers size 14 in. x 16 in. x 30 in. making free or returnable containers. Charleston Chemical Co., Charleston. West Va.

EIGHT inch Burr stone experimental mill. Small laboratory ball mill. Box 171, DRUG & CHEMICAL MARKETS.

PURCHASER for one figure six hundred eighty-two Toledo bench scale forty-five pound capacity. Lever Bros., Cambridge, Mass.

INDUSTRIAL CHEMIST experienced in nitrocellulose, pyroxylin, explosives, dye intermediates, hydroquinone. Address Box 175, DRUG & CHEMICAL MARKETS.

### EUROPE

Former export manager, will undertake commissions in purchase or sale or agency establishment. Sailing July. Reputable and widely experienced. Box 176, DRUG & CHEMICAL MARKETS.

PROGRESS IN DYE MANUFACTURE IN 1921 REVIEWED BY THE TARIFF COMMISSION

Nearly 71,000,000 Pounds of Intermediates Produced by 107 Makers-Output of Finished Colors by 74 Manufacturers Was 39,000,000 Pounds, a Decrease of 50 Per Cent from 1920 Production

A census of dyes and coal-tar chemicals for 1921 has been submitted to the Senate Finance Committee by the U. S. Tariff Commission, which says in part:

"The total production of intermediates in 1921 by 107 different manufacturers was 70,899,912 pounds, a decrease of 73 per cent in quantity from the 1920 output. The total sales during 1921 were 33,637,326 pounds, valued at \$8,483,463. The average price per pound of all intermediates sold in 1921 was 25 cents per pound, compared with a price of 37 cents per pound for the total production of intermediates in the previous year. The number of intermediates reported in 1921 was 232, compared with 236 in 1920. Of the total number reported in 1921, forty-nine were reported for the first

"Many of these new products were of special importance in considering the progress of the industry, they are required in the production of the more complex and faster types of dyes and present a significant development in the industry. Several of these new intermediates are used directly in the production of dyes upon the fiber and have, therefore, been imported. The large decrease in the 1921 production of intermediates may be attributed to several causes:-(1) The loss of most of our export trade in dyes, (2) the large stocks carried over from the previous year, and (3) a general business depression. There has been a general decline in output of intermediates since 1918, due to the fact that at that time a large part of the intermediates were consumed for munitions, poison gases, and for special dyes required in large quantities for dyeing military cloths.

"During 1921 the export trade in dyes was greatly reduced as compared with 1920; hence, the intermediates produced in that year were used in the manufacture of dyes which more nearly represent the needs for consumption of the domestic textile industry. In addition to the requirements of the domestic dye manufacture, these intermediates are also used in the production of photographic chemicals, medicinals, flavors, perfume materials, synthetic phenolic resins, and synthetic tanning materials.

"The domestic production of dyes in 1921 by seventyfour manufacturers totaled 39,008,690 pounds, a decrease of 56 per cent from that of 1920. The sales during 1921 totaled 47,513,762 pounds, with a value of \$39,283,956. The sales exceeded the production by 22 per cent, indicating that a part of the domestic consumption for that year was supplied from stocks carried over from the previous abnormal production. The average sales price of dyes for 1921 was 83 cents per pound, compared with \$1.08 for 1920 and \$1.07 for 1919. The greatly reduced output of 1921, as was stated under "Intermediates," may be accounted for by (1) loss of the most of our export trade, (2) the large stocks carried over from the previous year, and (3) the business

"The progress of the year includes the manufacture for the first time in this country of a large number of dyes of greater complexity and more specialized application. The development of these products is a highly technical achievement and creditable to the industry."



# Phosphoric Acid

85% U.S.P.

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For full particulars as to products and addresses see Index of Advertisers on the page following.

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Battelle & Renwick
Bowker Chemical Co.
Butterworth Judson Corpn.
Church & Dwight
The Cleveland-Cliffs Iron Co.
Conmercial Solvents Corpn.
Contact Process Co.
Chas. Cooper & Co.
The Dow Chemical Co.
E. I. du Pont de Nemours & Co.
Ellis Jackson & Co.
B. G. Feinberg
General Chemical Co.
Grasselli Chemical Co.
Grasselli Chemical Co.
Wm. S. Gray & Co. Wm. S. Gray & Co. R. W. Greeff & Co. Innis Speiden & Co. A. Klipstein & Co.

IEMICALS
Litter & Allen
Merchants Chemical Co.
Meteor Products Co.
Mathieson Alkali Works
The Miner-Edgar Co.
Monsanto Chemical Works
Nichols Copper Co.
Pfaltz & Bauer
Protexol Corp.
Roessler & Hasslacher Chem.
Semet Solvay Co.
Solvay Process Co.
Stein Hall & Co.
U. S. Industrial Alcohol Co.
Victor Chemical Works Victor Chemical Works The Warner Chemical Co. Wilckes-Martin-Wilckes Co. Jacques Wolf & Co.

### FINE CHEMICALS

Abbott Laboratories Abbott Laboratories
Barrd & McGuire
Bowker Chemical Co.
Chicago Starch Co.
Antoine Chiris Co.
Commercial Solvents Corp.
Commonwealth Chemical Corp.
Charles Cooper & Co.
The Dow Chemical Co.
Eastman Kodak Co.
B. G. Feinberg
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T. Buijsawa & Co. T. Fujisawa & Co. Grasselli Chemical Co. William S. Gray & Co. R. W. Greeff & Co. A. Klipstein & Co. Jose Lopez

EMICALS
Litter & Allen
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May & Baker
Merck & Co.
M. A. Metz & Co.
H. A. Metz & Co.
The Miner-Edgar Co.
Monsanto Chemical Works
N. Y. Quinine & Chemical Wks.
Pfaltz & Bauer
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Rosensler & Hasalocher Chemical Roessler & Hasslacher Chemical Co. Stein Hall & Co. U. S. Industrial Chemical Co. Victor Chemical Works

Wilckes-Martin-Wilckes Co.

### DYESTUFFS

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Catico Chemical Co.
Chemical Co. of America
Dow Chemical Co.
Dye Products & Chem. Co.
Essex Annine Works
E. i. du Pont de Nemours & Co.
Ellis Jackson & Co.
Gary Chem. Co.
orasselli Chemical Co.

A. Klipstein & Co. H. A. Metz & Co. National Aniline & Chemical New Brunswick Chem. Co. Newport Chemical Works Sanborn Chemical Works Stein Hall & Co. Jacques Wolf & Co. COAL TAR PRODUCTS

Abbott Laboratories
Baird & McGuire
Ine Barrett Co.
Butterworth-Judson Corp.
Calco Chemical Co.
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Newport Chemical Works
Protexol Corp.
Sanborn Chemical Works
The Walker Chemical Co.

Antoine Chiris Co. A. Klipstein & Co.

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M. L. Barrett & Co. W. J. Bush & Co. Walter Denman E. Fougera & Co.

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Buffalo Foundry & Machine Co.
The Chemical Age
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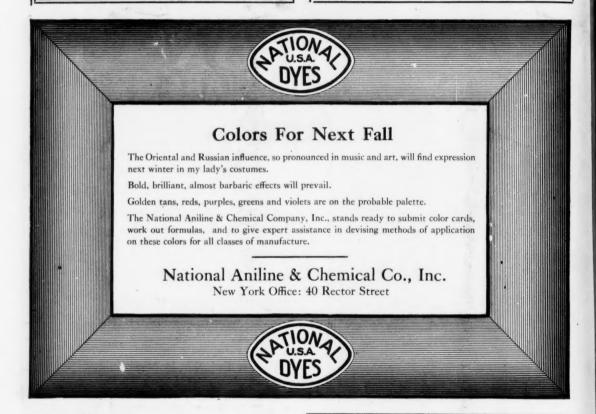
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